



EBARA

EBARA CONSTANT SPEED PRESSURE BOOSTER UNIT

MODEL UN3

APPLICATIONS

- *Domestic : High-rise buildings, Condominiums, Apartments etc.*
- *Commercial : Office buildings, Hotels, Shopping centers etc.*
- *Industrial : Factory utility, Manufacturing & processing industries applications etc.*
- *Social service : Schools, Hospitals etc.*



- ***Energy saving system***
- ***Constant pressure water supply***
- ***High reliable operation system***
- ***Long life expectancy***
- ***Economy operation & maintenance***
- ***Detail information output***

VARIABLE SPEED PRESSURE BOOSTER UNIT

MODEL UN3

FEATURES

Pressure tank

Air pre-charged diaphragm construction.
High reliability and suitable for portable water.

Shut-off valve

Easy operation and high reliability type.
Useful for unit maintenance.

Check valve

Spring loaded type.
Reduces water surge at pump stop.
Prolongs the unit life and performs.
Quiet operation.

Base plate*

Robust construction and performs long stable unit operation.
(*Refer to model)



Control panel for VFD

Controls pumps with signal from pressure sensor.
With LCD touch screen user friendly display and operation panel.
Several operation systems and functions.

Pressure sensor

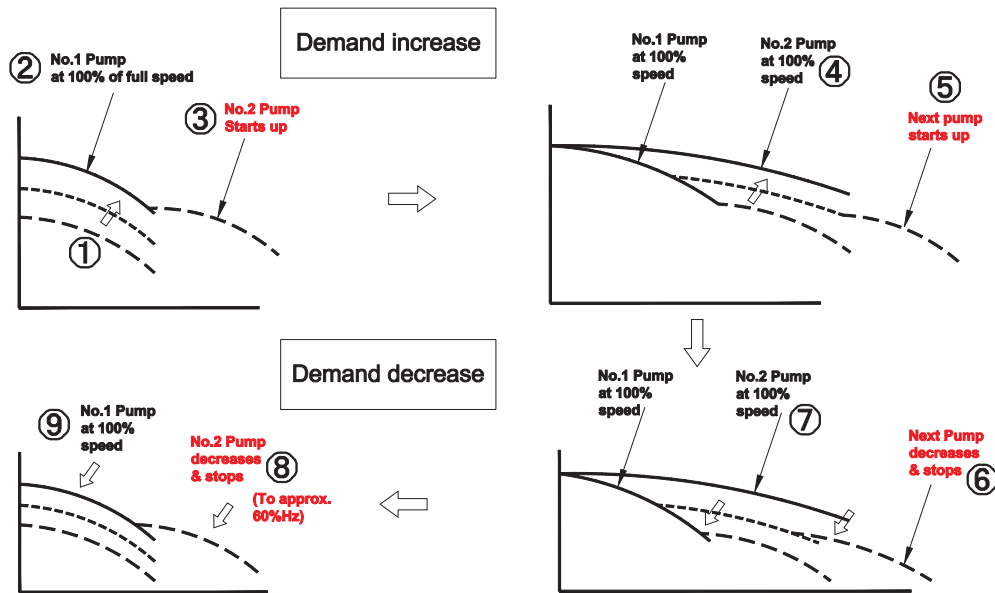
Detects the supply pressure and feeds back to the control panel.
Weather proof, trouble free from moisture and condensation.

Discharge header

Integrated manifold type.
Compact, robust & high reliability.
High grade surface finish treatment for long life.
Available to change water discharge side.

Pump

Stainless steel construction.
High reliability and long life.



(Start ~ Water demand increase)

- ① When water is used, No.1 pump starts and increases the speed to maintain supply water pressure as water demand.
- ② No.1 pump speed becomes 100% speed (full speed).
- ③ No.2 pump starts and then increases the speed to maintain the water supply pressure.
- ④ No.2 pump speed reaches to 100% as water demand increase.
- ⑤ Next pump starts and continues the same process as like as above ③ ~ ⑤.

(Water demand decrease ~ Stop)

- ⑥ When water demand decreases, later started pump decreases the speed to maintain the supply water pressure and stops. And only No.1 & No.2 pump remain in operation.
- ⑦ Water demand decreases more, No.2 pump decreases speed.
- ⑧ Then No.2 pump stops and shifts to No.1 pump operation.
- ⑨ Water demand decreases furthermore, No.1 pump decreases speed and stops finally.

MODEL : UN3A - D, - T & - F (2 to 4 Pumps with single inverter system)

UN3A - D ~ F : From two to four pumps with one inverter operation system, supply pressure constant with pipe loss compensation control one pump (lead pump) is variable speed controlled by inverter, the other pump is constant speed drive.

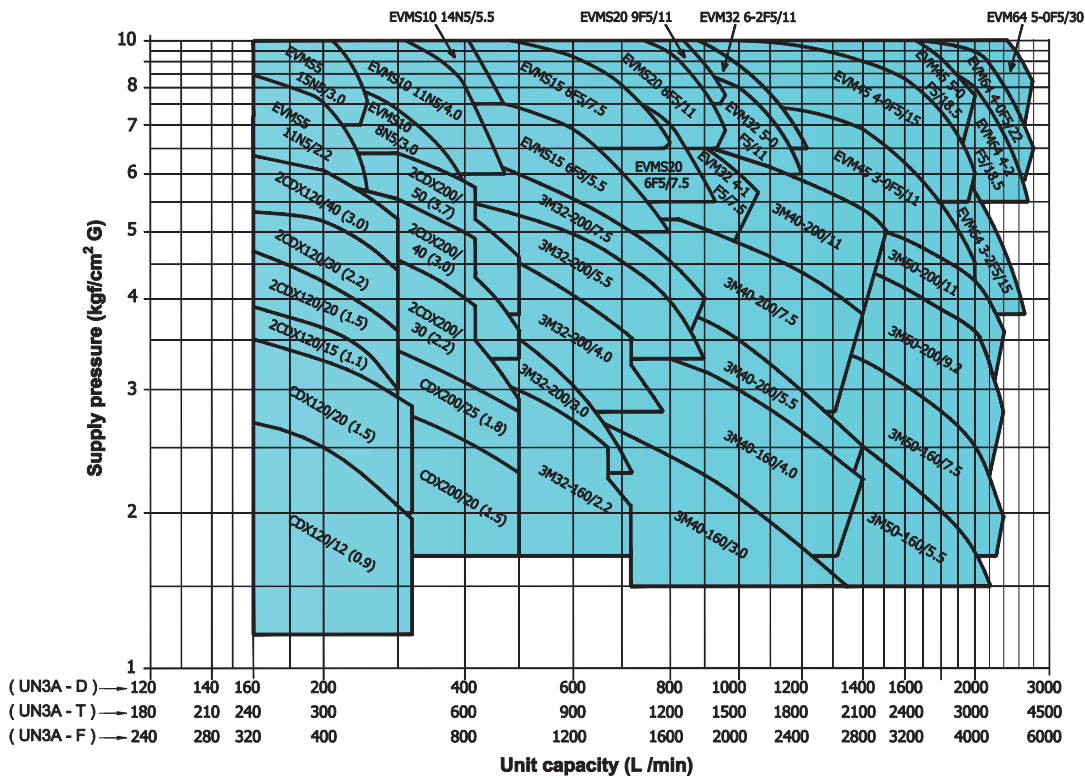
SPECIFICATIONS STANDARD

Model		UN3A - D	UN3A - T	UN3A - F
Pump operation No. / Inverter No.		2/1	3/1	4/1
Pump model		CDX, 2CDX, 3M & EVMS (Vertical Multistage)		
Handled liquid property		Fresh water, 0-60 degree C		
Installation		Outdoor design		
Operation system	Pump speed	Variable frequency control for lead pump		
	Control	Supply pressure constant with pipe loss compensation by VFD drive		
Power source		AC, Three phase, 50Hz, 380V		
Max. working pressure		8 to 10 bar G (8.2 to 10.2 kgf/cm ² G) ; Refer to model		
Allowable suction pressure		Min. : -0.3 bar G (-0.3 kgf/cm ² G), Max. : +0.3 bar G (+0.3 kgf/cm ² G)		
Control panel	Starting method	Lead pump : Soft start Lag pump : DOL or Star-Delta	Lead pump : Soft start Lag pumps : DOL or Star-Delta	Lead pump : Soft start Lag pumps : DOL or Star-Delta
	Construction	Weather & dust proof type		
	Operation key	Touch screen		
Pressure tank	Display	LCD		
	Construction	Air pre-charged diaphragm type		
	Capacity	24 liters (Standard)		
Accessories	Quantity	Refer to model		
	Control panel & support, Pressure sensor, Pressure tank Common base, Piping & valves, Electrical wiring			

OPTION

Pump model / Operation No.	Other models / 5 & 6
Pressure tank	Large capacity upon request
Others	On request

SELECTION CHART AND MODEL CODE



OPERATING DUTY SELECTION RANGE

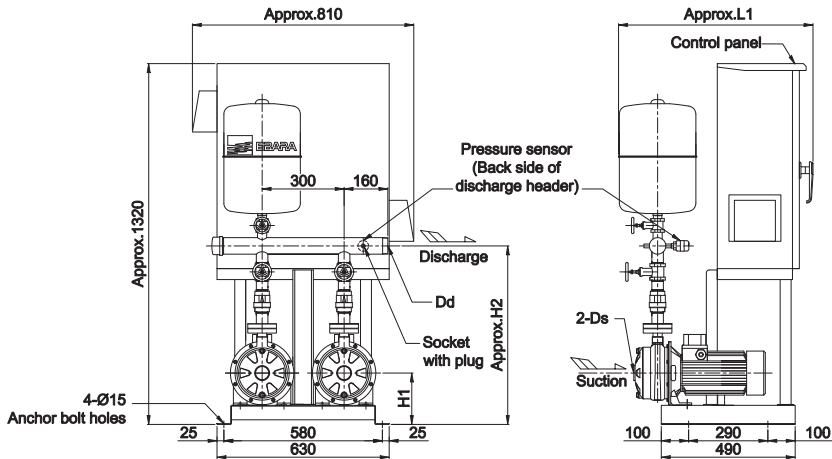
Unit model	Motor output (kW)	Operating pressure range (kgf/cm ² G)	Maximum Capacity (L/min)			Unit model	Motor output (kW)	Operating pressure range (kgf/cm ² G)	Maximum Capacity (L/min)			Unit model	Motor output (kW)	Operating pressure range (kgf/cm ² G)	Maximum Capacity (L/min)		
			UN3A - D	UN3A - T	UN3A - F				UN3A - D	UN3A - T	UN3A - F				UN3A - D	UN3A - T	UN3A - F
UN3A CDX120/12	0.9	1.2 - 2.8	320	480	640	UN3A 3M32-160/2.2	2.2	1.7 - 3.3/3.1	720	1080	1440	UN3A EVMS5 11N5/2.2*	2.2	5.5 - 9.8	260	390	520
UN3A CDX120/20	1.5	2.0 - 3.6	320	480	640	UN3A 3M32-200/3.0	3.0	2.3 - 4.0	720	1080	1440	UN3A EVMS5 15N5/3.0*	3.0	7.0 - 10.0	260	390	520
UN3A 2CDX120/20	1.5	3.0 - 5.0	300	450	600	UN3A 3M32-200/4.0	4.0	2.8 - 5.0/4.4	780	1170	1560	UN3A EVMS10 8N5/3.0	3.0	4.5 - 8.1	480	690	920
UN3A 2CDX120/30	2.2	2.8 - 5.0/4.5	300	450	600	UN3A 3M32-200/5.5	5.5	3.3 - 5.9	900	1350	1800	UN3A EVMS10 11N5/4.0*	4.0	6.0 - 10.0	480	720	960
UN3A 2CDX120/40	3.0	3.6 - 5.7	300	450	600	UN3A 3M32-200/7.5	7.5	3.6 - 6.3	900	1350	1800	UN3A EVMS10 14N5/5.5*	5.5	7.5 - 10.0	480	720	960
UN3A 2CDX120/50	3.0	4.4 - 6.5	300	450	600	UN3A 3M40-160/3.0	3.0	1.5 - 2.7	1340	2010	2680	UN3A EVMS15 6F5/5.5	5.5	5.0 - 8.3	800	1200	1600
UN3A CDX200/20	1.5	1.7 - 3.0	500	750	1000	UN3A 3M40-160/4.0	4.0	1.7 - 3.6	1400	2100	2800	UN3A EVMS15 8F5/7.5*	7.5	6.5 - 10.0	800	1200	1600
UN3A CDX200/25	1.8	2.3 - 3.7	500	750	1000	UN3A 3M40-200/5.5	5.5	2.3 - 4.2	1400	2100	2800	UN3A EVMS20 6F5/7.5*	7.5	5.5 - 9.5	930	1395	1860
UN3A 2CDX200/30	2.2	2.8 - 5.0/4.5	500	750	1000	UN3A 3M40-200/7.5	7.5	2.8 - 5.2	1400	2100	2800	UN3A EVMS20 8F5/11*	11	6.5 - 10.0	960	1440	1920
UN3A 2CDX200/40	3.0	3.3 - 5.9/5.5	500	750	1000	UN3A 3M40-200/11	11.0	3.8 - 6.5	1500	2250	3000	UN3A EVMS20 9F5/11*	11	7.5 - 10.0	960	1440	1920
UN3A 2CDX200/50	3.7	3.8 - 6.4/6.2	500	750	1000	UN3A 3M50-160/5.5	5.5	1.5 - 2.9	2200	3300	4400	UN3A EVMS32 4-1F5/7.5	7.5	4.9 - 8.3	1060	1590	2120
						UN3A 3M50-160/7.5	7.5	1.7 - 3.6	2400	3600	4800	UN3A EVMS32 5-0F5/11*	11.0	6.0 - 10.0	1200	1800	2400
						UN3A 3M50-200/9.2	9.2	2.3 - 4.8	2400	3600	4800	UN3A EVMS32 6-2F5/11*	11.0	6.5 - 10.0	1230	1845	2460
						UN3A 3M50-200/11	11.0	3.1 - 5.3	2400	3600	4800	UN3A EVMS45 3-0F5/11	11.0	4.3 - 7.3	2000	3000	4000
												UN3A EVMS45 4-0F5/15*	15.0	5.5 - 10.0	2000	3000	4000
												UN3A EVMS45 5-0F5/18.5*	18.5	6.5 - 10.0	2000	3000	4000
												UN3A EVMS45 6-0F5/22*	22.0	5.9 - 10.0	2800	4200	5600
												UN3A EVMS45 7-0F5/22*	22.0	5.9 - 10.0	2800	4200	5600
												UN3A EVMS45 8-0F5/30*	30.0	7.1 - 10.0	2800	4200	5600

* Note : In case lead pump operation by inverter is failed and system is changed to magnetic start back up, the system supply pressure is exceeds 10 kgf/cm² G

MODEL : UN3C - D

■ DIMENSIONS

MODEL UN3C - D CDX & 2CDX

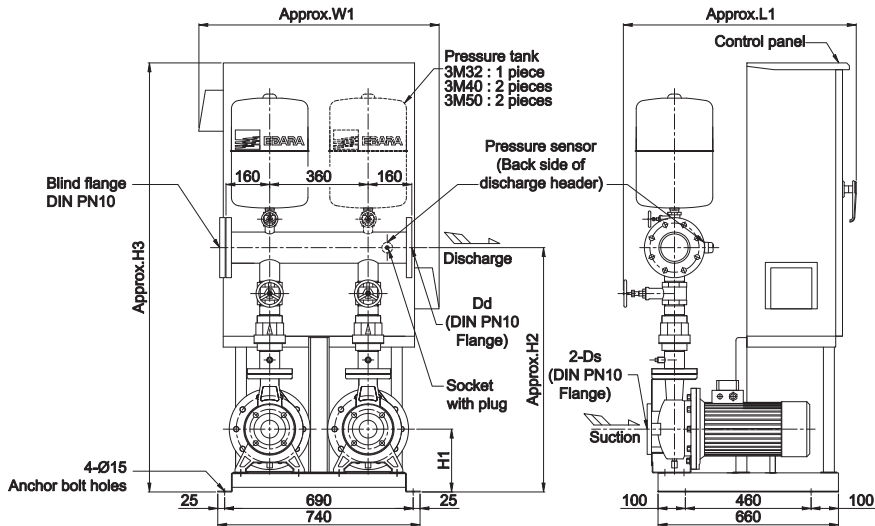


DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	L1	Approx. weight
UN3C - D CDX 120/12	0.9	G 1 1/4"	R 1 1/2"	176	630	700	136
UN3C - D CDX 120/20	1.5	G 1 1/4"	R 1 1/2"	188	650	700	144
UN3C - D 2CDX 120/15	1.1	G 1 1/4"	R 1 1/2"	176	630	700	143
UN3C - D 2CDX 120/20	1.5	G 1 1/4"	R 1 1/2"	176	630	700	146
UN3C - D 2CDX 120/30	2.2	G 1 1/4"	R 1 1/2"	188	650	715	162
UN3C - D 2CDX 120/40	3.0	G 1 1/4"	R 1 1/2"	188	650	715	167
UN3C - D CDX 200/20	1.5	G 1 1/2"	R 2"	176	635	700	144
UN3C - D CDX 200/25	1.8	G 1 1/2"	R 2"	188	665	700	144
UN3C - D 2CDX 200/30	2.2	G 1 1/2"	R 2"	176	635	715	164
UN3C - D 2CDX 200/40	3.0	G 1 1/2"	R 2"	188	655	715	167
UN3C - D 2CDX 200/50	3.7	G 1 1/2"	R 2"	188	655	715	183

MODEL UN3C - D 3M



DIMENSIONS TABLE

Unit : W1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	W1	H1	H2	H3	L1	Approx. weight
UN3C - D 3M32-160/2.2	2.2	DN50	DN65	810	202	755	1320	810	208
UN3C - D 3M32-200/3.0	3.0	DN50	DN65	810	230	800	1345	810	223
UN3C - D 3M32-200/4.0	4.0	DN50	DN65	810	230	800	1470	810	229
UN3C - D 3M32-200/5.5	5.5	DN50	DN65	810	230	800	1470	810	259
UN3C - D 3M32-200/7.5	7.5	DN50	DN65	810	230	800	1470	810	268
UN3C - D 3M40-160/3.0	3.0	DN65	DN80	810	202	780	1330	820	213
UN3C - D 3M40-160/4.0	4.0	DN65	DN80	810	202	780	1470	820	242
UN3C - D 3M40-200/5.5	5.5	DN65	DN80	810	230	830	1470	820	267
UN3C - D 3M40-200/7.5	7.5	DN65	DN80	810	230	830	1470	820	275
UN3C - D 3M40-200/11	11	DN65	DN80	880	230	830	1570	820	300
UN3C - D 3M50-160/5.5	5.5	DN65	DN100	810	230	875	1470	855	270
UN3C - D 3M50-160/7.5	7.5	DN65	DN100	810	230	875	1470	855	288
UN3C - D 3M50-200/9.2	9.2	DN65	DN100	880	230	895	1570	855	311
UN3C - D 3M50-200/11	11	DN65	DN100	880	230	895	1570	855	318

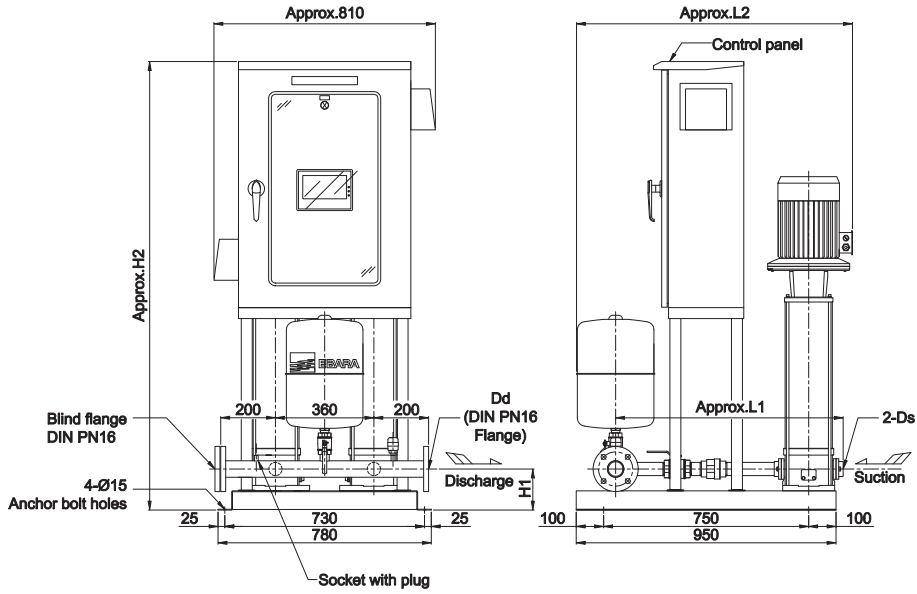
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - D

■ DIMENSIONS

MODEL UN3C - D EVMS5 & EVMS10

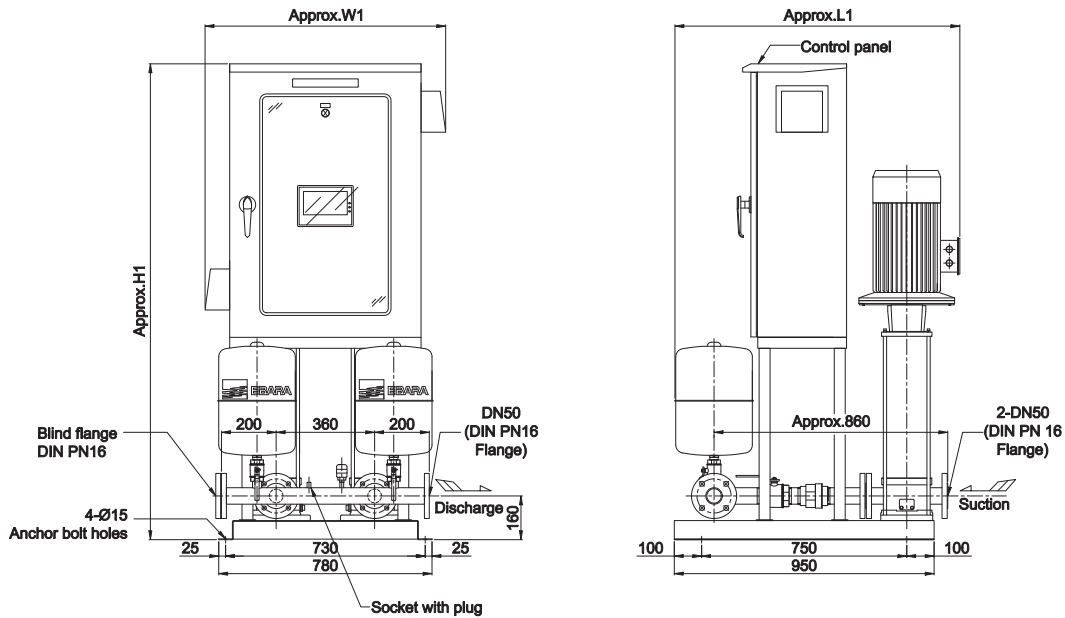


DIMENSIONS TABLE

Unit : H1 to L2 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	L1	L2	Approx. weight
UN3C - D EVMS5 11N5/2.2	2.2	G 1 1/4"	DN40	120	1490	820	1010	220
UN3C - D EVMS5 15N5/3.0	3.0	G 1 1/4"	DN40	120	1490	820	1015	240
UN3C - D EVMS10 8N5/3.0	3.0	G 1 1/2"	DN50	150	1490	840	1010	265
UN3C - D EVMS10 11N5/4.0	4.0	G 1 1/2"	DN50	150	1490	840	1010	277
UN3C - D EVMS10 14N5/5.5	5.5	G 1 1/2"	DN50	150	1640	840	1010	335

MODEL UN3C - D EVMS15 & EVMS20



DIMENSIONS TABLE

Unit : W1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	W1	H1	L1	Approx. weight
UN3C - D EVMS15 6F5/5.5	5.5	810	1640	1010	351
UN3C - D EVMS15 8F5/7.5	7.5	810	1640	1010	354
UN3C - D EVMS20 6F5/7.5	7.5	810	1640	1010	354
UN3C - D EVMS20 8F5/11	11	880	1740	1045	439
UN3C - D EVMS20 9F5/11	11	880	1740	1045	439

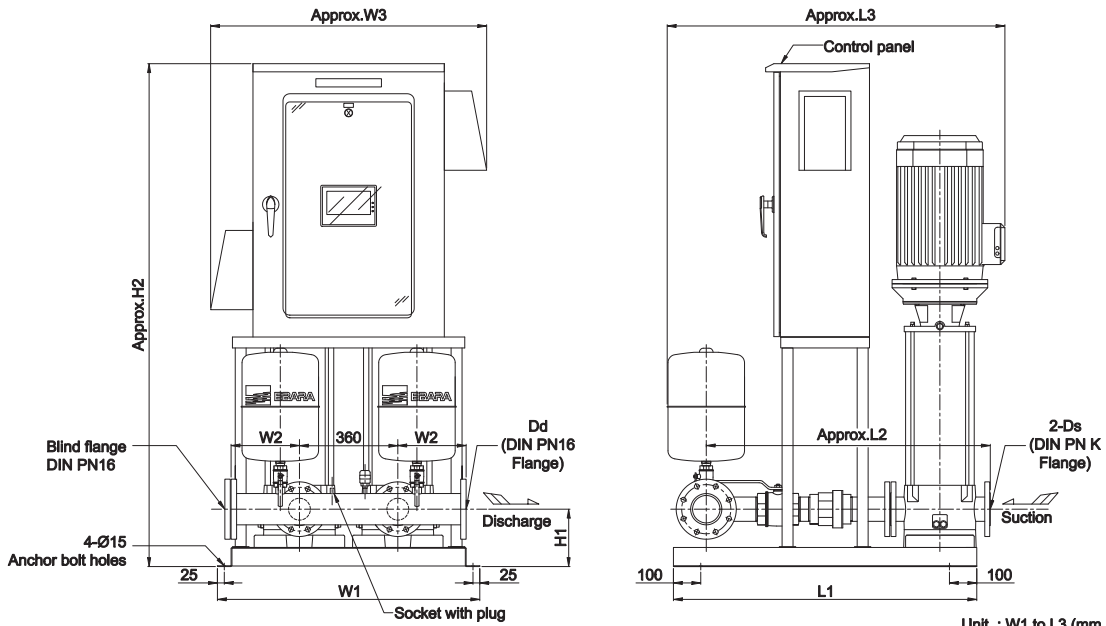
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - D

■ DIMENSIONS

MODEL UN3C - D EVM32 & EVM45

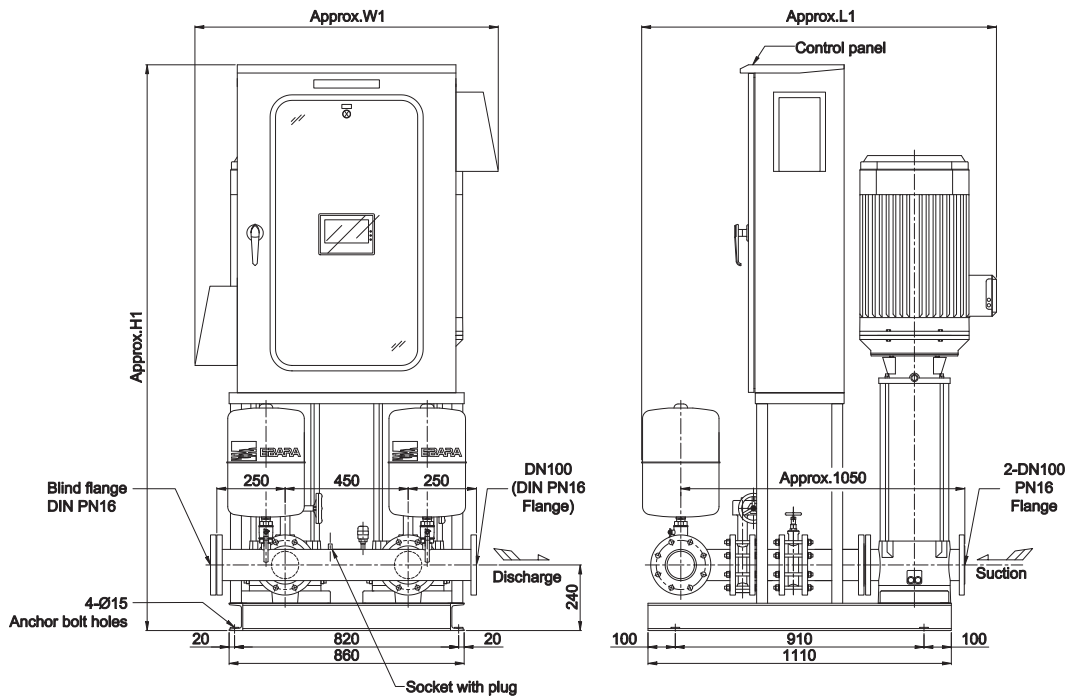


DIMENSIONS TABLE

MODEL	kW	Ds	Dd	W1	W2	W3	H1	H2	L1	L2	L3	K	Approx. weight
UN3C - D EVM32 4-1F5/7.5	7.5	DN65	DN80	780	200	810	175	1690	950	930	1070	16	445
UN3C - D EVM32 5-0F5/11	11	DN65	DN80	780	200	880	175	1790	950	930	1100	16	532
UN3C - D EVM32 6-2F5/11	11	DN65	DN80	780	200	880	175	1790	950	930	1100	16	538
UN3C - D EVM45 3-0F5/11	11	DN80	DN100	960	250	960	210	1840	1110	1050	1195	16	560
UN3C - D EVM45 4-0F5/15	15	DN80	DN100	960	250	1010	210	1840	1110	1050	1235	25	634
UN3C - D EVM45 5-0F5/18.5	18.5	DN80	DN100	960	250	1010	210	1840	1110	1050	1235	25	695

Unit : W1 to L3 (mm.)
: Weight (kg.)

MODEL UN3C - D EVM64



DIMENSIONS TABLE

MODEL	kW	W1	H1	L1	Approx. weight
UN3C - D EVM64 3-2F5/15	15	1010	1870	1235	625
UN3C - D EVM64 4-2F5/18.5	18.5	1010	1870	1235	684
UN3C - D EVM64 4-0F5/22	22	1110	2070	1270	818
UN3C - D EVM64 5-0F5/30	30	1110	2070	1300	988

Unit : W1 to L1 (mm.)
: Weight (kg.)

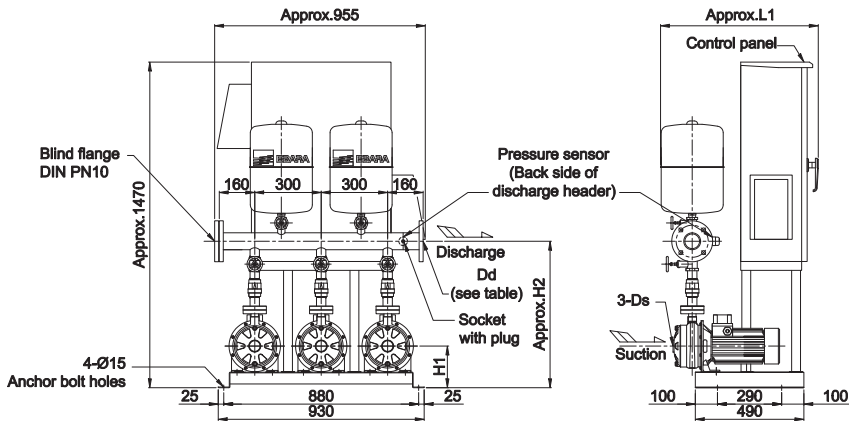
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - T

■ DIMENSIONS

MODEL UN3C - T CDX & 2CDX

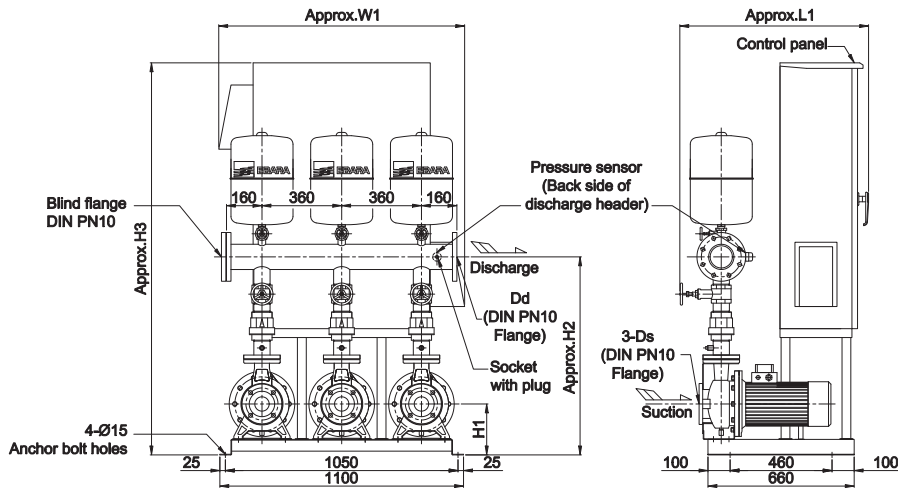


DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	KW	Ds	Dd	H1	H2	L1	Approx. weight
UN3C - T CDX 120/12	0.9	G 1 1/4"	R 2"	176	635	700	195
UN3C - T CDX 120/20	1.5	G 1 1/4"	R 2"	188	655	700	210
UN3C - T 2CDX 120/15	1.1	G 1 1/4"	R 2"	176	635	700	205
UN3C - T 2CDX 120/20	1.5	G 1 1/4"	R 2"	176	635	700	210
UN3C - T 2CDX 120/30	2.2	G 1 1/4"	R 2"	188	655	715	234
UN3C - T 2CDX 120/40	3.0	G 1 1/4"	R 2"	188	655	715	242
UN3C - T CDX 200/20	1.5	G 1 1/2"	DN65	176	645	700	215
UN3C - T CDX 200/25	1.8	G 1 1/2"	DN65	188	675	700	215
UN3C - T 2CDX 200/30	2.2	G 1 1/2"	DN65	176	645	715	244
UN3C - T 2CDX 200/40	3.0	G 1 1/2"	DN65	188	665	715	250
UN3C - T 2CDX 200/50	3.7	G 1 1/2"	DN65	188	665	715	274

MODEL UN3C - T 3M



DIMENSIONS TABLE

Unit : W1 to L1 (mm.)
: Weight (kg.)

MODEL	KW	Ds	Dd	W1	H1	H2	H3	L1	Approx. weight
UN3C - T 3M32-160/2.2	2.2	DN50	DN80	1100	202	760	1470	810	304
UN3C - T 3M32-200/3.0	3.0	DN50	DN80	1100	230	805	1470	810	326
UN3C - T 3M32-200/4.0	4.0	DN50	DN80	1100	230	805	1570	810	335
UN3C - T 3M32-200/5.5	5.5	DN50	DN80	1100	230	805	1570	810	377
UN3C - T 3M32-200/7.5	7.5	DN50	DN80	1100	230	805	1570	810	391
UN3C - T 3M40-160/3.0	3.0	DN65	DN100	1100	202	795	1470	820	315
UN3C - T 3M40-160/4.0	4.0	DN65	DN100	1100	202	795	1570	820	358
UN3C - T 3M40-200/5.5	5.5	DN65	DN100	1100	230	840	1570	820	393
UN3C - T 3M40-200/7.5	7.5	DN65	DN100	1100	230	840	1570	820	404
UN3C - T 3M40-200/11	11	DN65	DN100	1110	230	840	1770	820	440
UN3C - T 3M50-160/5.5	5.5	DN65	DN100	1100	230	875	1570	855	394
UN3C - T 3M50-160/7.5	7.5	DN65	DN100	1100	230	875	1570	855	421
UN3C - T 3M50-200/9.2	9.2	DN65	DN100	1110	230	895	1770	855	449
UN3C - T 3M50-200/11	11	DN65	DN100	1110	230	895	1770	855	459

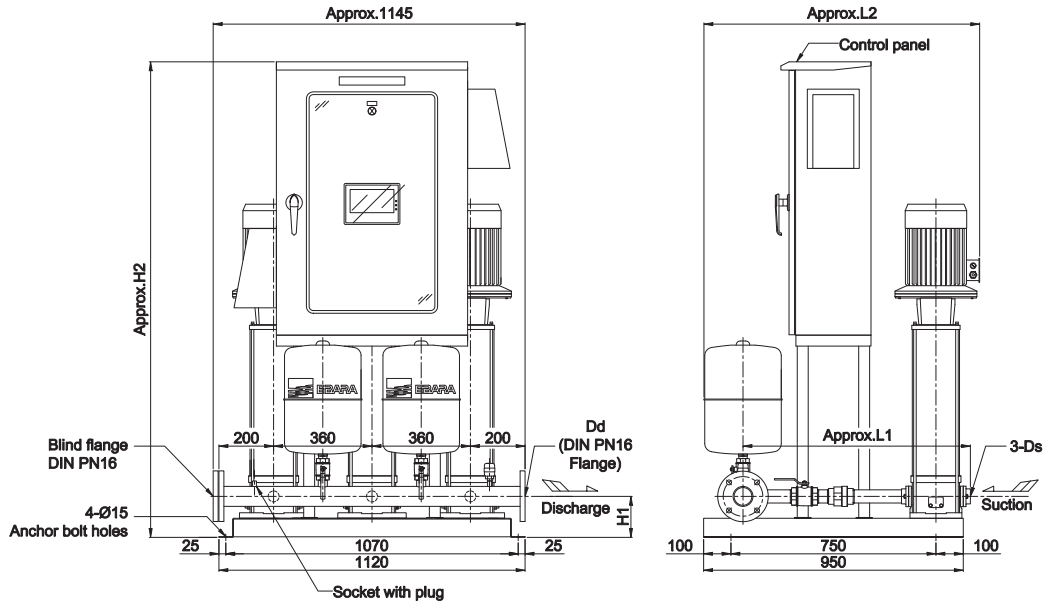
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - T

■ DIMENSIONS

MODEL UN3C - T EVMS5 & EVMS10

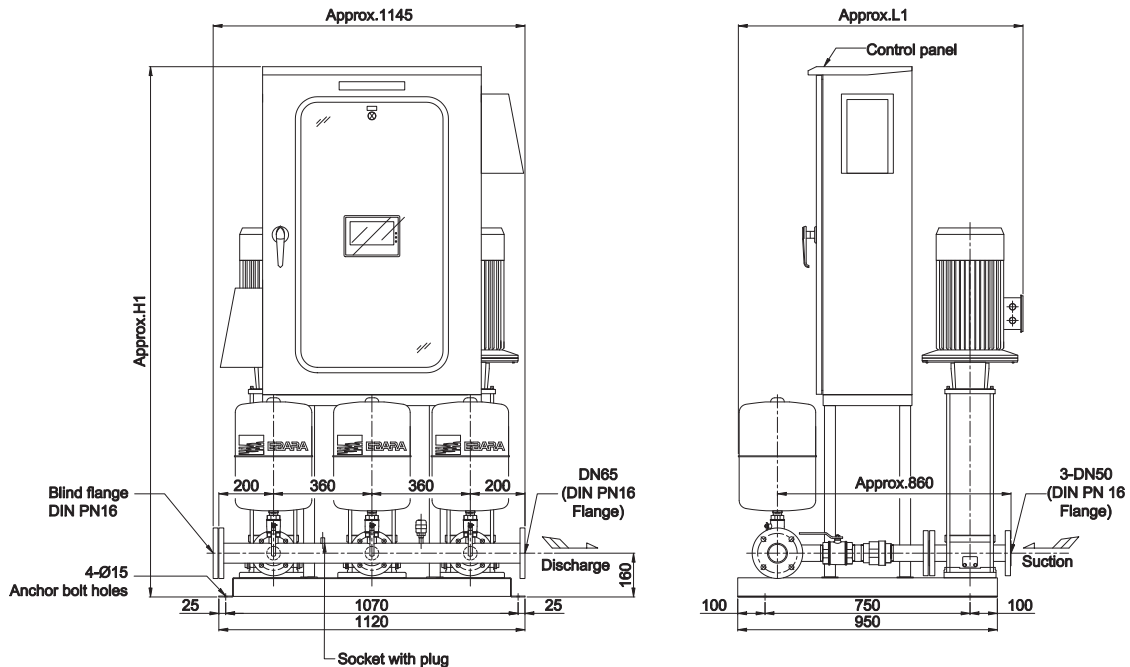


DIMENSIONS TABLE

MODEL	kW	Ds	Dd	H1	H2	L1	L2	Approx. weight
UN3C - T EVMS5 11N5/2.2	2.2	G 1 1/4"	DN50	120	1640	820	1010	330
UN3C - T EVMS5 15N5/3.0	3.0	G 1 1/4"	DN50	120	1640	820	1015	360
UN3C - T EVMS10 8N5/3.0	3.0	G 1 1/2"	DN65	150	1640	840	1010	395
UN3C - T EVMS10 11N5/4.0	4.0	G 1 1/2"	DN65	150	1640	840	1010	411
UN3C - T EVMS10 14N5/5.5	5.5	G 1 1/2"	DN65	150	1740	840	1010	496

Unit : H1 to L2 (mm.)
: Weight (kg.)

MODEL UN3C - T EVMS15 & EVMS20



DIMENSIONS TABLE

MODEL	kW	H1	L1	Approx. weight
UN3C - T EVMS15 6F5/5.5	5.5	1740	1010	509
UN3C - T EVMS15 8F5/7.5	7.5	1740	1010	513
UN3C - T EVMS20 6F5/7.5	7.5	1740	1010	513
UN3C - T EVMS20 8F5/11	11	1940	1045	633
UN3C - T EVMS20 9F5/11	11	1940	1045	633

Unit : H1 to L1 (mm.)
: Weight (kg.)

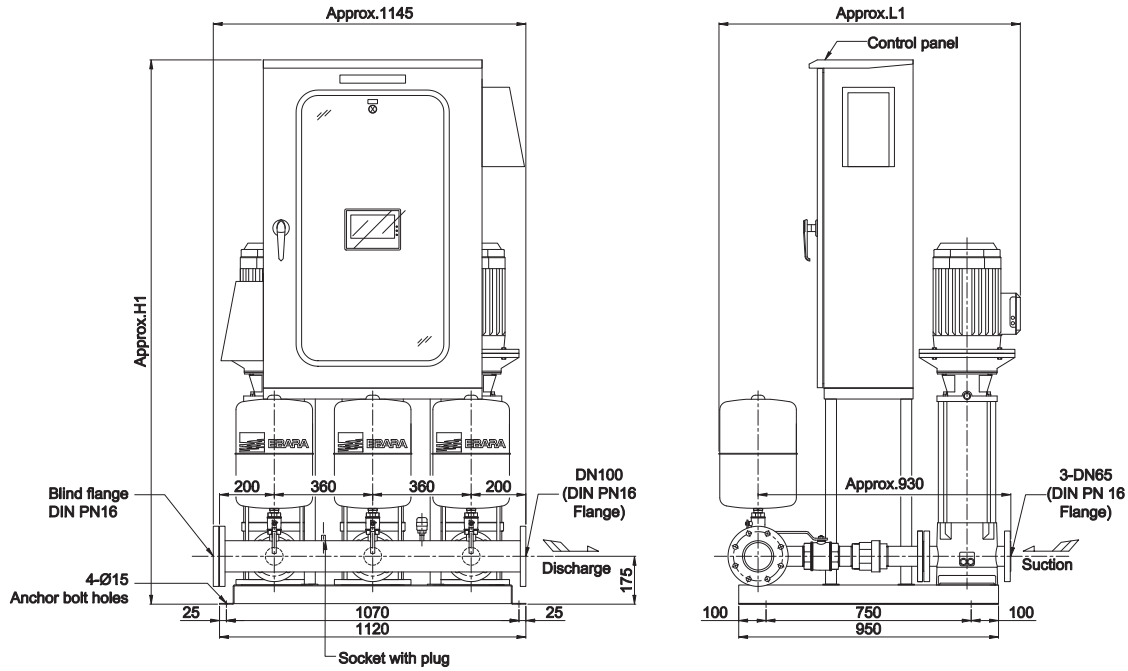
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - T

■ DIMENSIONS

MODEL UN3C - T EVM32

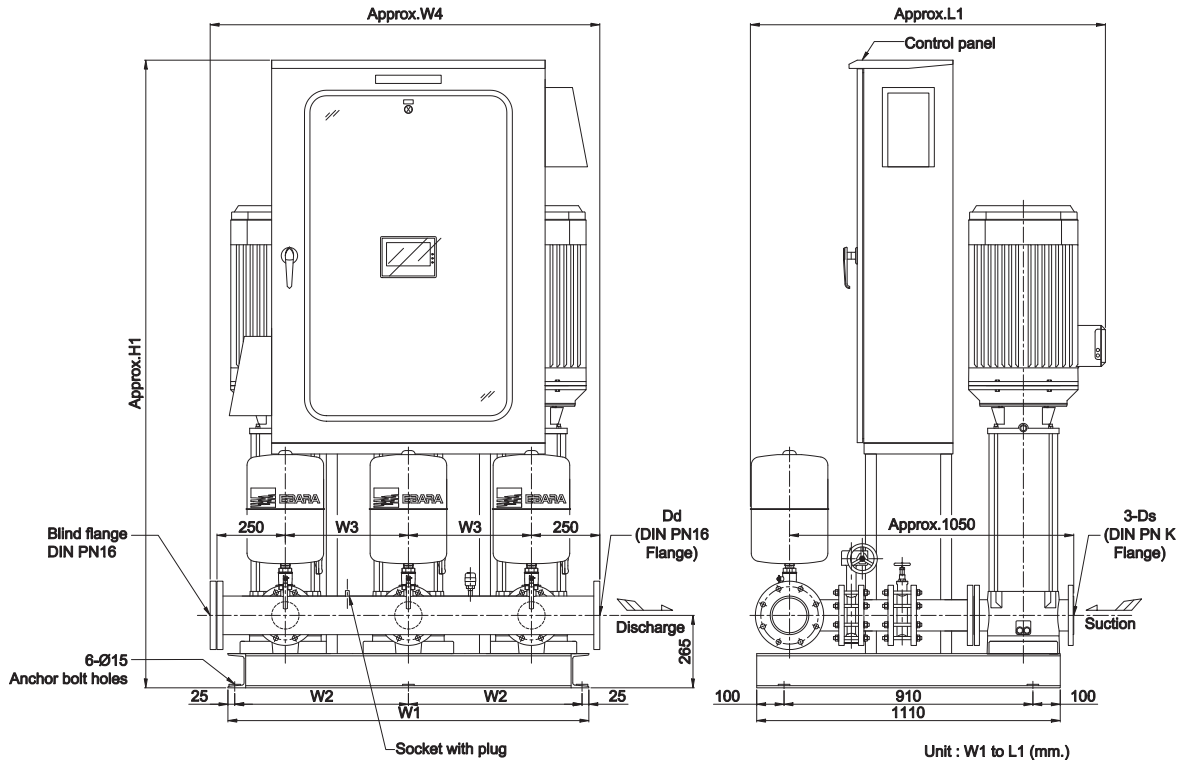


Unit : H1 to L1 (mm.)
: Weight (kg.)

DIMENSIONS TABLE

MODEL	kW	H1	L1	Approx. weight
UN3C - T EVM32 4-1F5/7.5	7.5	1790	1070	647
UN3C - T EVM32 5-0F5/11	11	1990	1100	770
UN3C - T EVM32 6-2F5/11	11	1990	1100	779

MODEL UN3C - T EVM45 & EVM64



Unit : W1 to L1 (mm.)
: Weight (kg.)

DIMENSIONS TABLE

MODEL	kW	Ds	Dd	W1	W2	W3	W4	H1	L1	K	Approx. weight
UN3C - T EVM45 3-0F5/11	11	DN80	DN100	1140	545	360	1245	2095	1195	16	811
UN3C - T EVM45 4-0F5/15	15	DN80	DN100	1140	545	360	1245	2095	1235	25	912
UN3C - T EVM45 5-0F5/18.5	18.5	DN80	DN100	1140	545	360	1245	2095	1235	25	1003
UN3C - T EVM64 3-2F5/15	15	DN100	DN125	1320	635	450	1425	2095	1235	16	924
UN3C - T EVM64 4-2F5/18.5	18.5	DN100	DN125	1320	635	450	1425	2095	1235	16	983
UN3C - T EVM64 4-0F5/22	22	DN100	DN125	1320	635	450	1425	2295	1270	16	1203
UN3C - T EVM64 5-0F5/30	30	DN100	DN125	1320	635	450	1425	2295	1300	16	1458

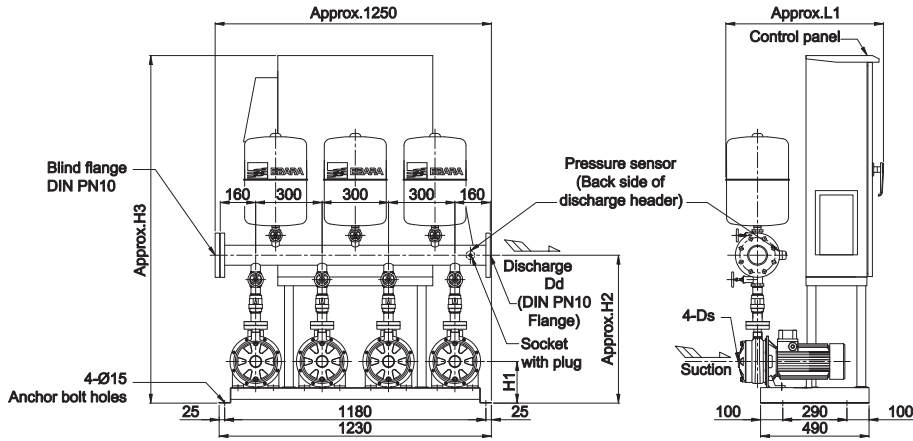
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - F

■ DIMENSIONS

MODEL UN3C - F CDX & 2CDX

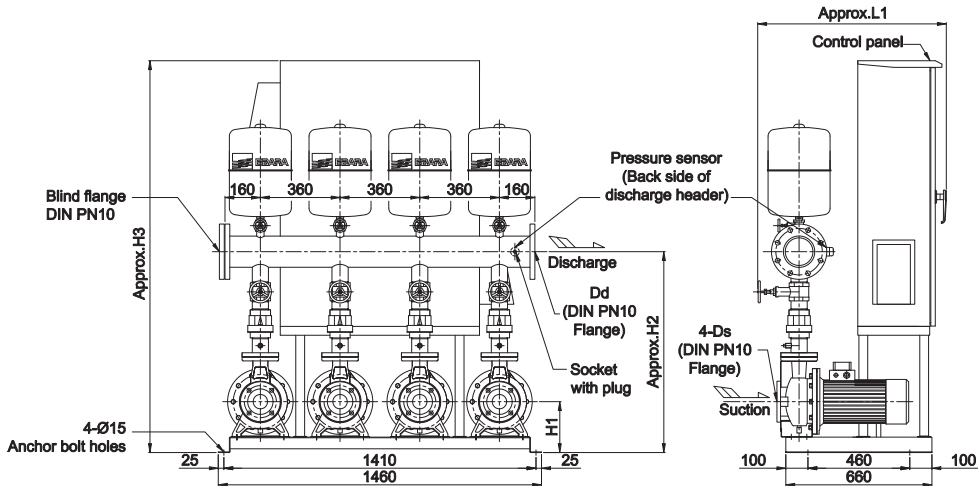


DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UN3C - F CDX 120/12	0.9	G 1 1/4"	DN65	176	640	1470	700	240
UN3C - F CDX 120/20	1.5	G 1 1/4"	DN65	188	660	1470	700	265
UN3C - F 2CDX 120/15	1.1	G 1 1/4"	DN65	176	640	1470	700	257
UN3C - F 2CDX 120/20	1.5	G 1 1/4"	DN65	176	640	1470	700	265
UN3C - F 2CDX 120/30	2.2	G 1 1/4"	DN65	188	660	1470	715	300
UN3C - F 2CDX 120/40	3.0	G 1 1/4"	DN65	188	660	1570	715	310
UN3C - F CDX 200/20	1.5	G 1 1/2"	DN80	176	650	1470	700	275
UN3C - F CDX 200/25	1.8	G 1 1/2"	DN80	188	680	1470	700	275
UN3C - F 2CDX 200/30	2.2	G 1 1/2"	DN80	176	650	1570	715	318
UN3C - F 2CDX 200/40	3.0	G 1 1/2"	DN80	188	670	1570	715	325
UN3C - F 2CDX 200/50	3.7	G 1 1/2"	DN80	188	670	1570	715	357

MODEL UN3C - F 3M



DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UN3C - F 3M32-160/2.2	2.2	DN50	DN100	202	775	1470	810	395
UN3C - F 3M32-200/3.0	3.0	DN50	DN100	230	820	1570	810	424
UN3C - F 3M32-200/4.0	4.0	DN50	DN100	230	820	1670	810	436
UN3C - F 3M32-200/5.5	5.5	DN50	DN100	230	820	1670	810	496
UN3C - F 3M32-200/7.5	7.5	DN50	DN100	230	820	1670	810	515
UN3C - F 3M40-160/3.0	3.0	DN65	DN125	202	805	1570	820	410
UN3C - F 3M40-160/4.0	4.0	DN65	DN125	202	805	1670	820	467
UN3C - F 3M40-200/5.5	5.5	DN65	DN125	230	855	1670	820	518
UN3C - F 3M40-200/7.5	7.5	DN65	DN125	230	855	1670	820	533
UN3C - F 3M40-200/11	11	DN65	DN125	230	855	1770	820	585
UN3C - F 3M50-160/5.5	5.5	DN65	DN125	230	890	1670	855	515
UN3C - F 3M50-160/7.5	7.5	DN65	DN125	230	890	1670	855	551
UN3C - F 3M50-200/9.2	9.2	DN65	DN125	230	910	1770	855	585
UN3C - F 3M50-200/11	11	DN65	DN125	230	910	1770	855	598

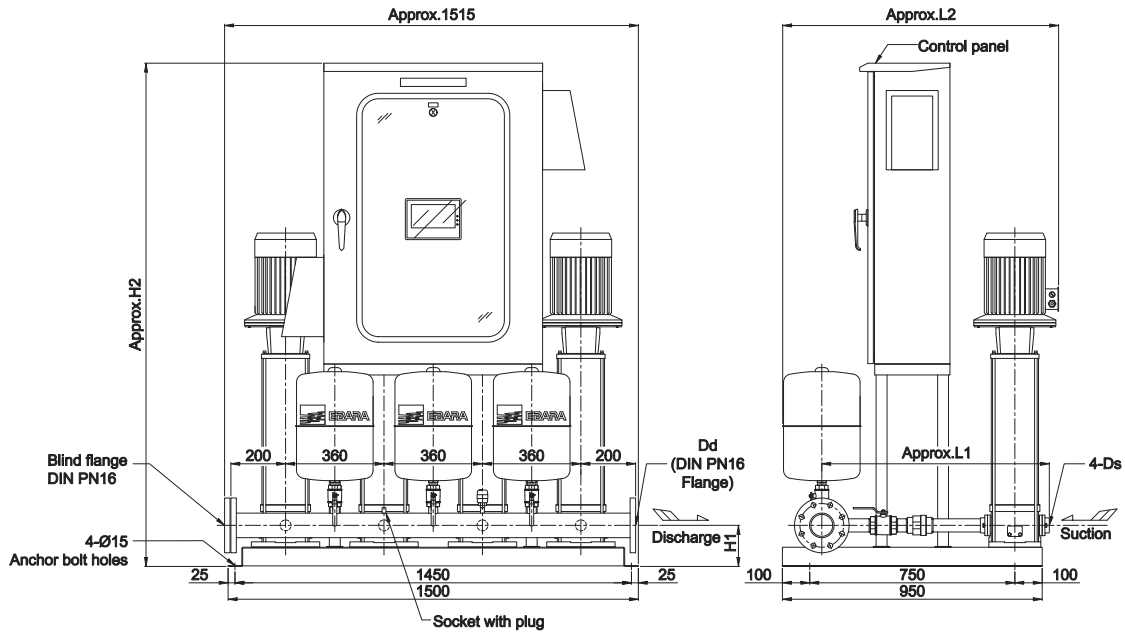
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - F

■ DIMENSIONS

MODEL UN3C - F EVMS5 & EVMS10



DIMENSIONS TABLE

Unit : H1 to L2 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	L1	L2	Approx. weight
UN3C - F EVMS5 11N5/2.2	2.2	G 1 1/4"	DN50	120	1640	820	1010	445
UN3C - F EVMS5 15N5/3.0	3.0	G 1 1/4"	DN50	120	1740	820	1015	485
UN3C - F EVMS10 8N5/3.0	3.0	G 1 1/2"	DN80	150	1740	840	1010	505
UN3C - F EVMS10 11N5/4.0	4.0	G 1 1/2"	DN80	150	1740	840	1010	519
UN3C - F EVMS10 14N5/5.5	5.5	G 1 1/2"	DN80	150	1840	840	1010	613

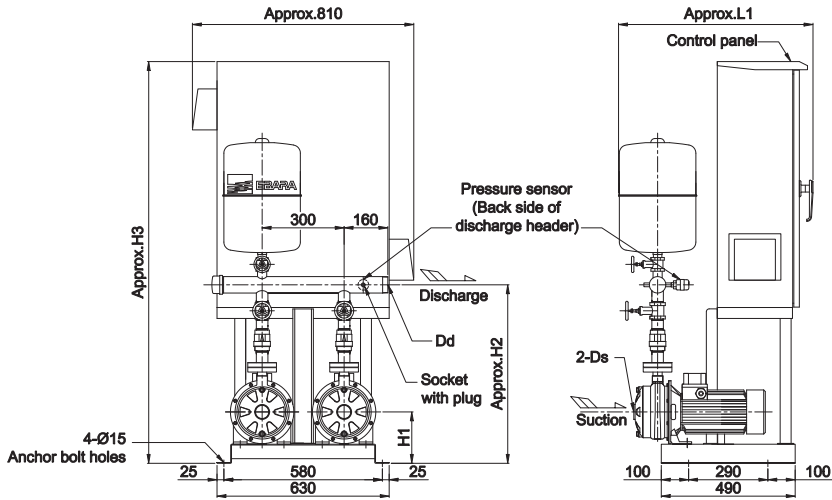
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - D

■ DIMENSIONS

MODEL UN3A - D CDX & 2CDX

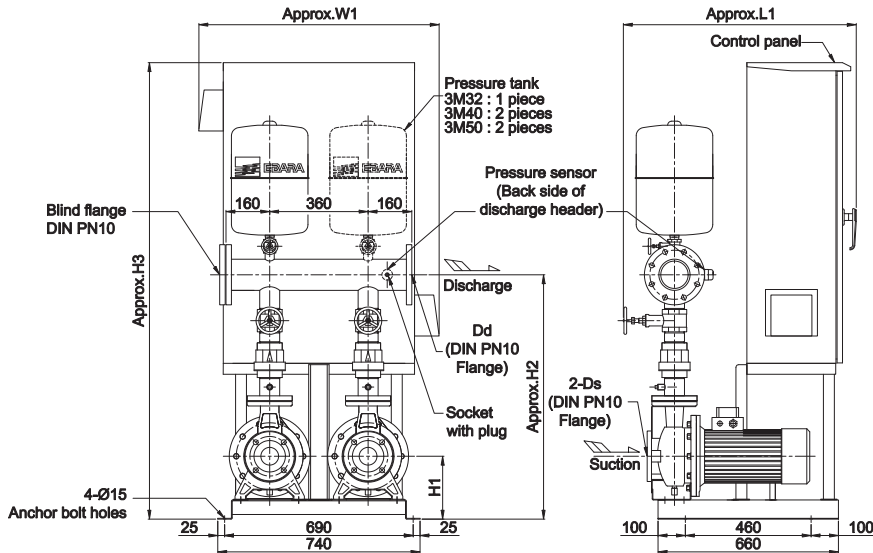


DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	KW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UN3A - D CDX 120/12	0.9	G 1 1/4"	R 1 1/2"	176	630	1320	700	132
UN3A - D CDX 120/20	1.5	G 1 1/4"	R 1 1/2"	188	650	1320	700	140
UN3A - D 2CDX 120/15	1.1	G 1 1/4"	R 1 1/2"	176	630	1320	700	139
UN3A - D 2CDX 120/20	1.5	G 1 1/4"	R 1 1/2"	176	630	1320	700	142
UN3A - D 2CDX 120/30	2.2	G 1 1/4"	R 1 1/2"	188	650	1320	715	158
UN3A - D 2CDX 120/40	3.0	G 1 1/4"	R 1 1/2"	188	650	1470	715	163
UN3A - D CDX 200/20	1.5	G 1 1/2"	R 2"	176	635	1320	700	140
UN3A - D CDX 200/25	1.8	G 1 1/2"	R 2"	188	685	1320	700	140
UN3A - D 2CDX 200/30	2.2	G 1 1/2"	R 2"	176	635	1470	715	160
UN3A - D 2CDX 200/40	3.0	G 1 1/2"	R 2"	188	655	1470	715	163
UN3A - D 2CDX 200/50	3.7	G 1 1/2"	R 2"	188	655	1470	715	179

MODEL UN3A - D 3M



DIMENSIONS TABLE

Unit : W1 to L1 (mm.)
: Weight (kg.)

MODEL	KW	Ds	Dd	W1	H1	H2	H3	L1	Approx. weight
UN3A - D 3M32-160/2.2	2.2	DN50	DN65	810	202	755	1320	810	204
UN3A - D 3M32-200/3.0	3.0	DN50	DN65	810	230	800	1470	810	219
UN3A - D 3M32-200/4.0	4.0	DN50	DN65	810	230	800	1470	810	225
UN3A - D 3M32-200/5.5	5.5	DN50	DN65	810	230	800	1470	810	254
UN3A - D 3M32-200/7.5	7.5	DN50	DN65	880	230	800	1570	810	263
UN3A - D 3M40-160/3.0	3.0	DN65	DN80	810	202	780	1470	820	209
UN3A - D 3M40-160/4.0	4.0	DN65	DN80	810	202	780	1470	820	238
UN3A - D 3M40-200/5.5	5.5	DN65	DN80	810	230	830	1470	820	262
UN3A - D 3M40-200/7.5	7.5	DN65	DN80	880	230	830	1570	820	270
UN3A - D 3M40-200/11	11	DN65	DN80	880	230	830	1670	820	293
UN3A - D 3M50-160/5.5	5.5	DN65	DN100	810	230	875	1470	855	265
UN3A - D 3M50-160/7.5	7.5	DN65	DN100	880	230	875	1570	855	284
UN3A - D 3M50-200/9.2	9.2	DN65	DN100	880	230	895	1670	855	304
UN3A - D 3M50-200/11	11	DN65	DN100	880	230	895	1670	855	311

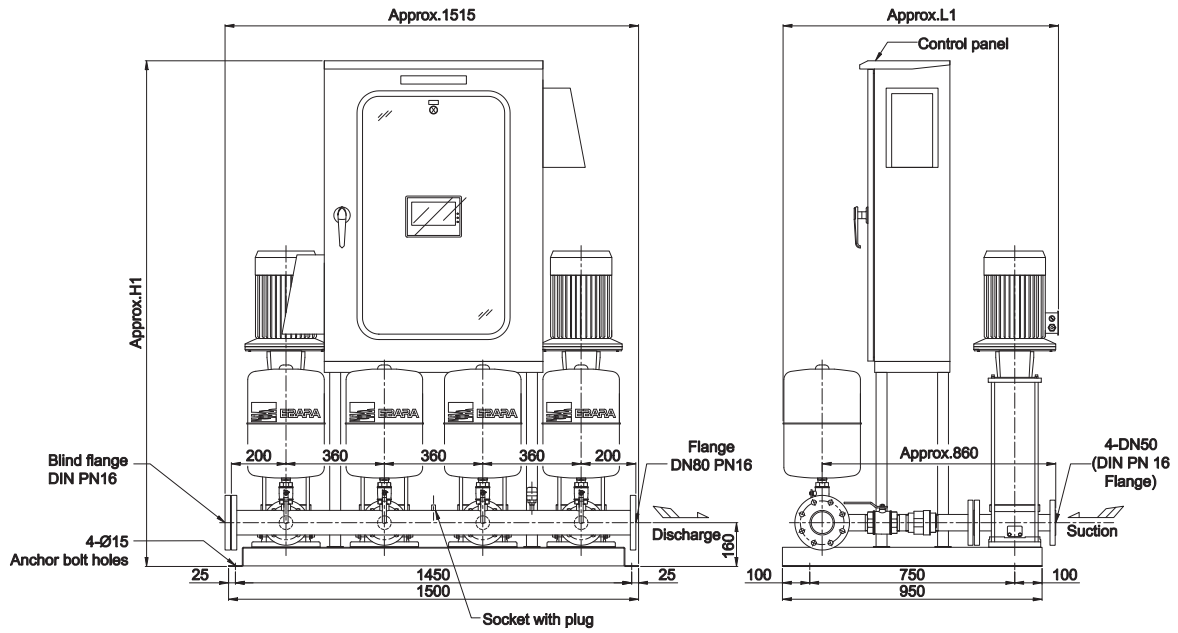
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - F

■ DIMENSIONS

MODEL UN3C - F EVMS15 & EVMS20



Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	H1	L1	Approx. weight
UN3C - F EVMS15 6F5/5.5	5.5	1850	1010	655
UN3C - F EVMS15 8F5/7.5	7.5	1850	1010	673
UN3C - F EVMS20 6F5/7.5	7.5	1850	1010	673
UN3C - F EVMS20 8F5/11	11	1950	1045	828
UN3C - F EVMS20 9F5/11	11	1950	1045	828

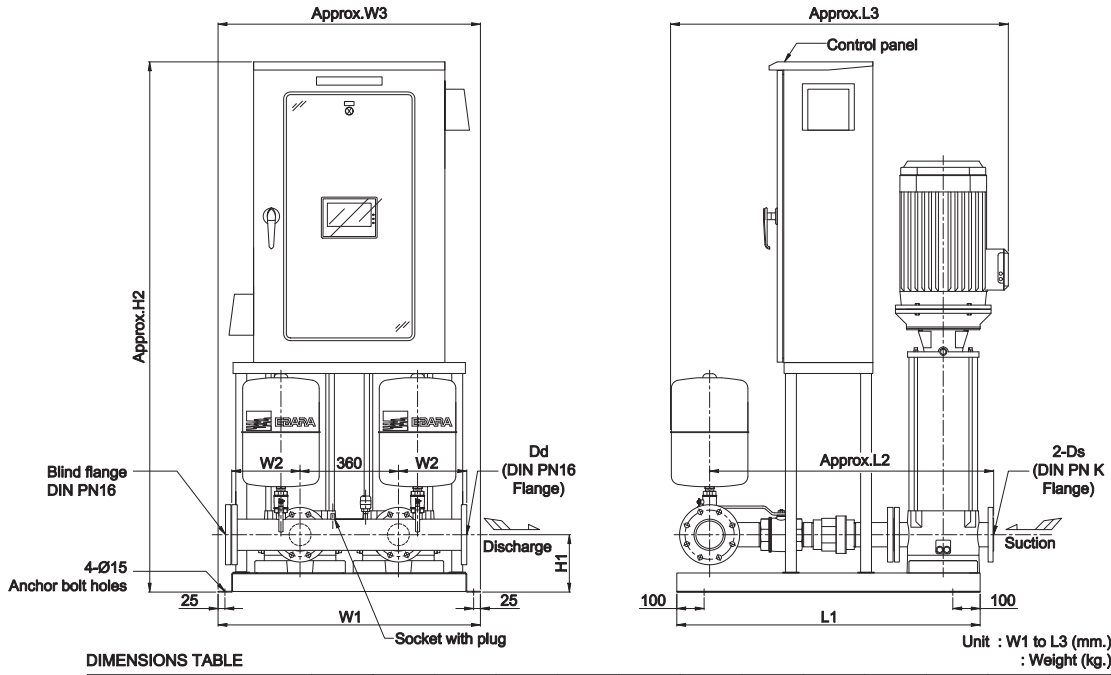
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - D

■ DIMENSIONS

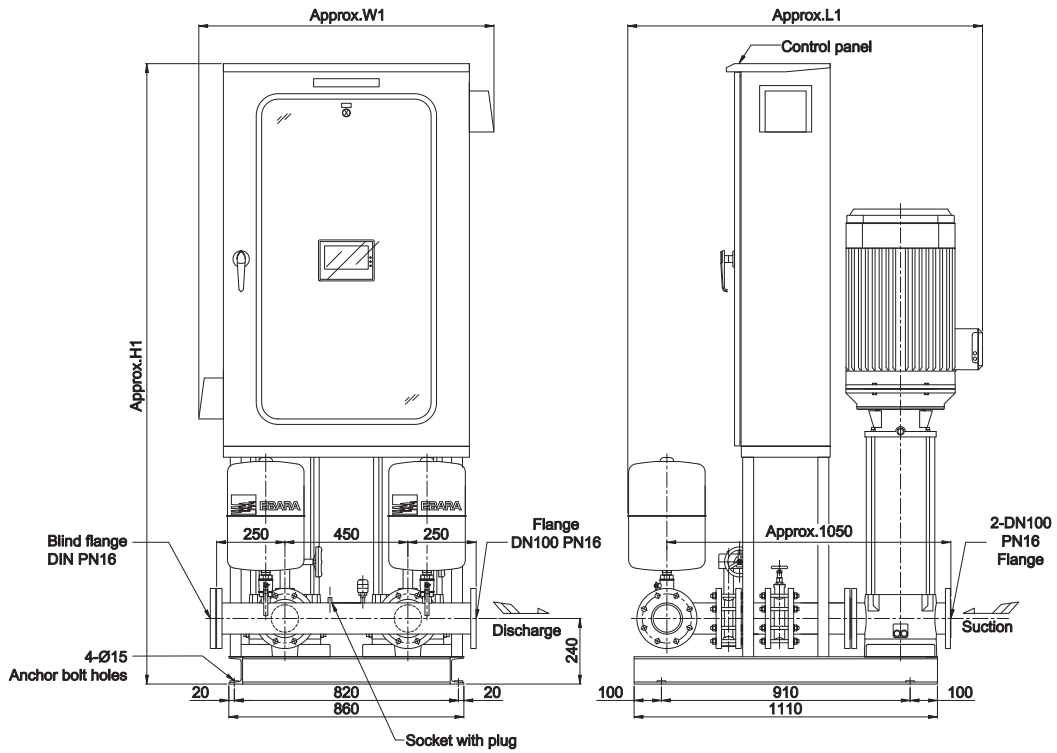
MODEL UN3A - D EVM32 & EVM45



DIMENSIONS TABLE

MODEL	kW	Ds	Dd	W1	W2	W3	H1	H2	L1	L2	L3	K	Approx. weight
UN3A - D EVM32 4-1F5/7.5	7.5	DN65	DN80	780	200	880	175	1790	950	930	1070	16	440
UN3A - D EVM32 5-0F5/11	11	DN65	DN80	780	200	880	175	1890	950	930	1100	16	525
UN3A - D EVM32 6-2F5/11	11	DN65	DN80	780	200	880	175	1890	950	930	1100	16	531
UN3A - D EVM45 3-0F5/11	11	DN80	DN100	960	250	960	210	1940	1110	1050	1195	16	553
UN3A - D EVM45 4-0F5/15	15	DN80	DN100	960	250	960	210	1940	1110	1050	1235	25	624
UN3A - D EVM45 5-0F5/18.5	18.5	DN80	DN100	960	250	960	210	1940	1110	1050	1235	25	685

MODEL UN3A - D EVM64



DIMENSIONS TABLE

MODEL	kW	W1	H1	L1	Approx. weight
UN3A - D EVM64 3-2F5/15	15	975	1970	1235	618
UN3A - D EVM64 4-2F5/18.5	18.5	975	1970	1235	674
UN3A - D EVM64 4-0F5/22	22	1080	2270	1270	808
UN3A - D EVM64 5-0F5/30	30	1080	2270	1300	978

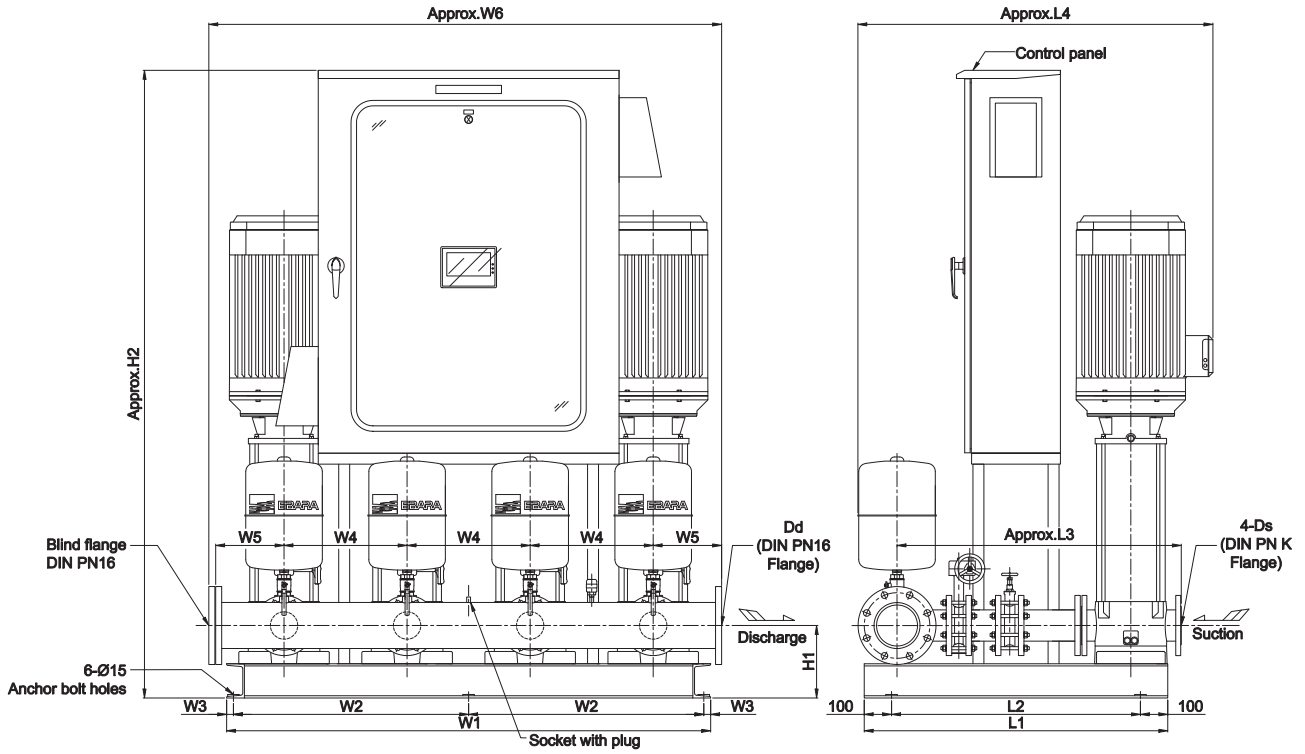
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3C - F

■ DIMENSIONS

MODEL UN3C - F EVM32 to EVM64



Unit : W1 to L4 (mm.)
: Weight (kg.)

DIMENSIONS TABLE

MODEL	kW	Ds	Dd	W1	W2	W3	W4	W5	W6	H1	H2	L1	L2	L3	L4	K	Approx. weight
UN3C - F EVM32 4-1F5/7.5	7.5	DN65	DN100	1380	670	20	360	200	1505	205	1920	950	750	930	1070	16	855
UN3C - F EVM32 5-0F5/11	11	DN65	DN100	1380	670	20	360	200	1505	205	2020	950	750	930	1100	16	1028
UN3C - F EVM32 6-2F5/11	11	DN65	DN100	1380	670	20	360	200	1505	205	2020	950	750	930	1100	16	1040
UN3C - F EVM45 3-0F5/11	11	DN80	DN125	1500	725	25	360	250	1605	265	2095	1110	910	1050	1195	16	1065
UN3C - F EVM45 4-0F5/15	15	DN80	DN125	1500	725	25	360	250	1605	265	2095	1110	910	1050	1235	25	1200
UN3C - F EVM45 5-0F5/18.5	18.5	DN80	DN125	1500	725	25	360	250	1605	265	2095	1110	910	1050	1235	25	1333
UN3C - F EVM64 3-2F5/15	15	DN100	DN150	1770	860	25	450	250	1875	265	2095	1110	910	1050	1235	16	1220
UN3C - F EVM64 4-2F5/18.5	18.5	DN100	DN150	1770	860	25	450	250	1875	265	2095	1110	910	1050	1235	16	1310
UN3C - F EVM64 4-0F5/22	22	DN100	DN150	1770	860	25	450	250	1875	265	2295	1110	910	1050	1270	16	1612
UN3C - F EVM64 5-0F5/30	30	DN100	DN150	1770	860	25	450	250	1875	265	2295	1110	910	1050	1300	16	1928

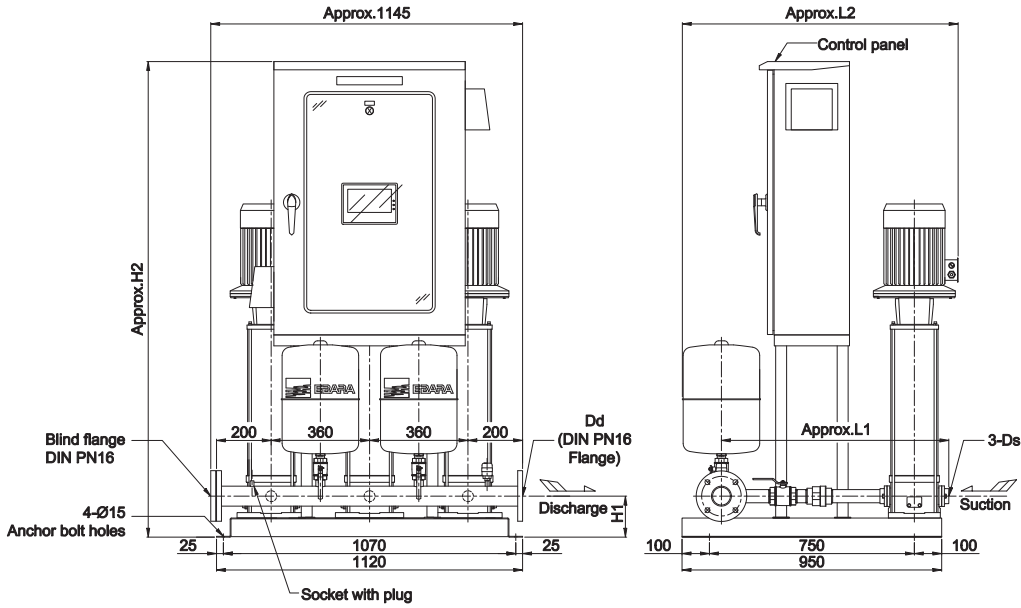
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - T

■ DIMENSIONS

MODEL UN3A - T EVMS5 & EVMS10

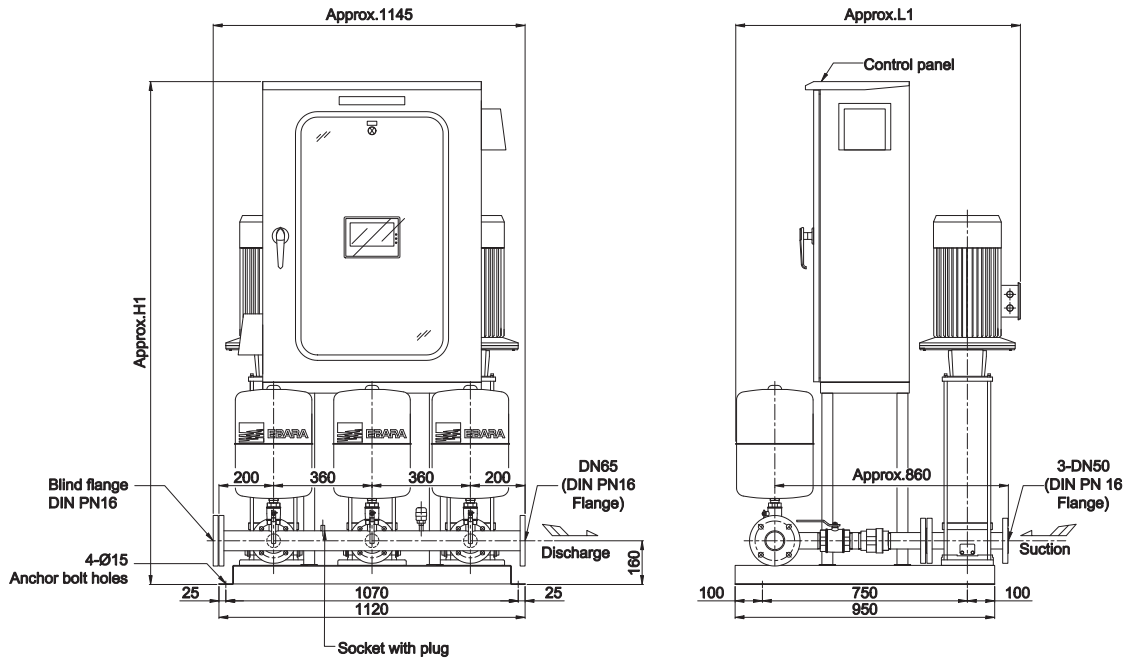


DIMENSIONS TABLE

Unit : H1 to L2 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	L1	L2	Approx. weight
UN3A - T EVMS5 11N5/2.2	2.2	G 1 1/4"	DN50	120	1640	820	1010	305
UN3A - T EVMS5 15N5/3.0	3.0	G 1 1/4"	DN50	120	1740	820	1015	335
UN3A - T EVMS10 8N5/3.0	3.0	G 1 1/2"	DN65	150	1740	840	1010	370
UN3A - T EVMS10 11N5/4.0	4.0	G 1 1/2"	DN65	150	1740	840	1010	386
UN3A - T EVMS10 14N5/5.5	5.5	G 1 1/2"	DN65	150	1740	840	1010	471

MODEL UN3A - T EVMS15 & EVMS20



DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	H1	L1	Approx. weight
UN3A - T EVMS15 6F5/5.5	5.5	1740	1010	484
UN3A - T EVMS15 8F5/7.5	7.5	1840	1010	488
UN3A - T EVMS20 6F5/7.5	7.5	1840	1010	488
UN3A - T EVMS20 8F5/11	11	1840	1045	608
UN3A - T EVMS20 9F5/11	11	1840	1045	608

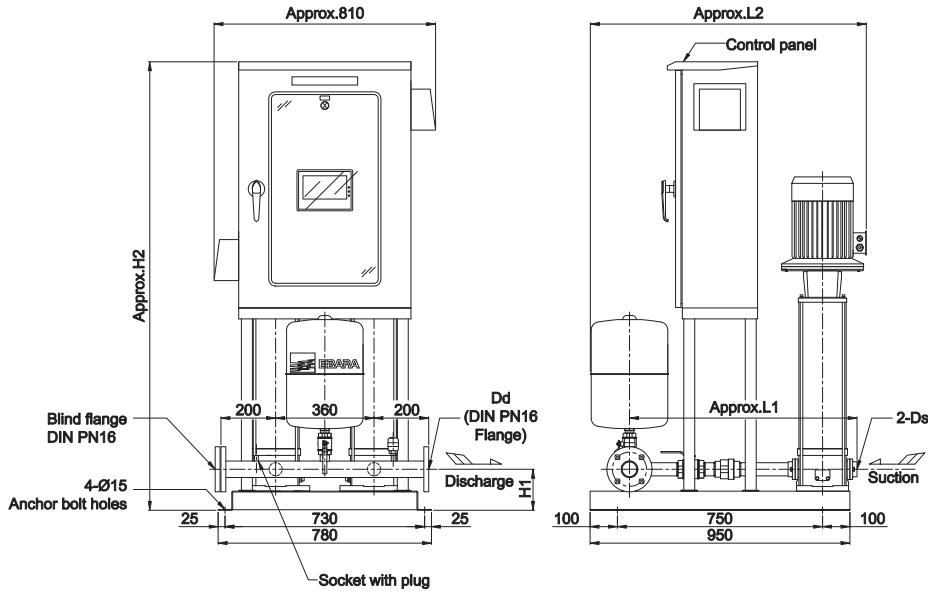
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - D

■ DIMENSIONS

MODEL UN3A - D EVMS5 & EVMS10

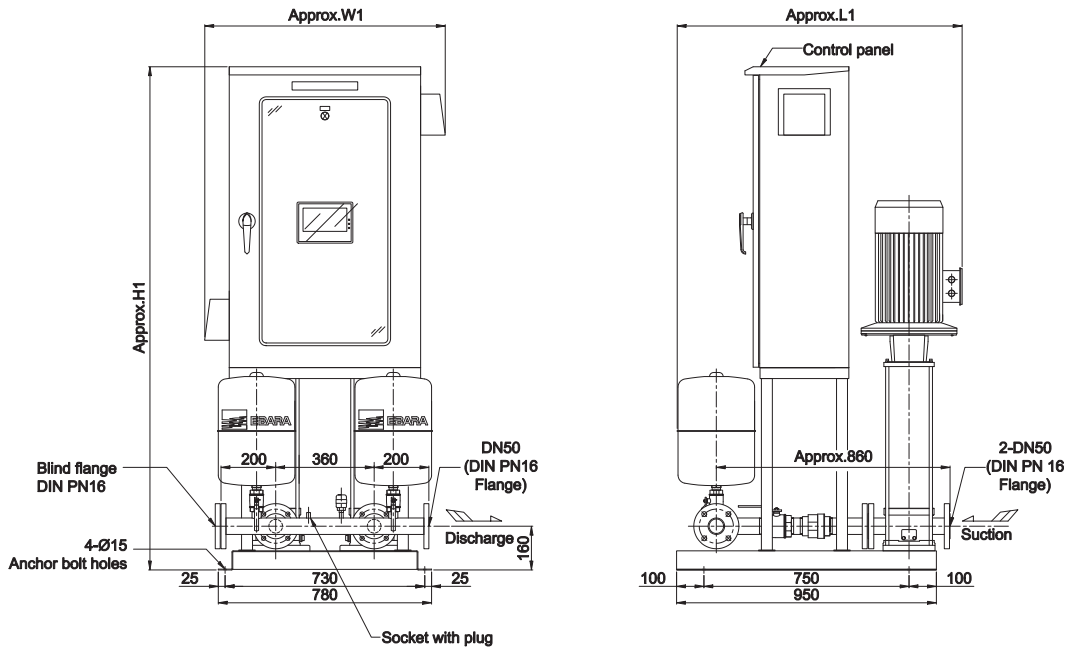


Unit : H1 to L2 (mm.)
: Weight (kg.)

DIMENSIONS TABLE

MODEL	kW	Ds	Dd	H1	H2	L1	L2	Approx. weight
UN3A - D EVMS5 11N5/2.2	2.2	G 1 1/4"	DN40	120	1490	820	1010	215
UN3A - D EVMS5 15N5/3.0	3.0	G 1 1/4"	DN40	120	1640	820	1015	235
UN3A - D EVMS10 8N5/3.0	3.0	G 1 1/2"	DN50	150	1640	840	1010	261
UN3A - D EVMS10 11N5/4.0	4.0	G 1 1/2"	DN50	150	1640	840	1010	273
UN3A - D EVMS10 14N5/5.5	5.5	G 1 1/2"	DN50	150	1640	840	1010	330

MODEL UN3A - D EVMS15 & EVMS20



Unit : W1 to L1 (mm.)
: Weight (kg.)

DIMENSIONS TABLE

MODEL	kW	W1	H1	L1	Approx. weight
UN3A - D EVMS15 6F5/5.5	5.5	810	1640	1010	346
UN3A - D EVMS15 8F5/7.5	7.5	880	1740	1010	349
UN3A - D EVMS20 6F5/7.5	7.5	880	1740	1010	349
UN3A - D EVMS20 8F5/11	11	880	1840	1045	434
UN3A - D EVMS20 9F5/11	11	880	1840	1045	434

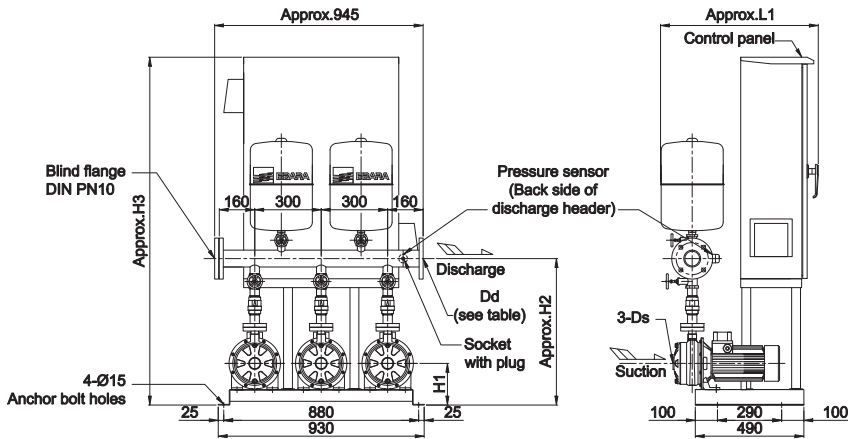
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - T

■ DIMENSIONS

MODEL UN3A - T CDX & 2CDX

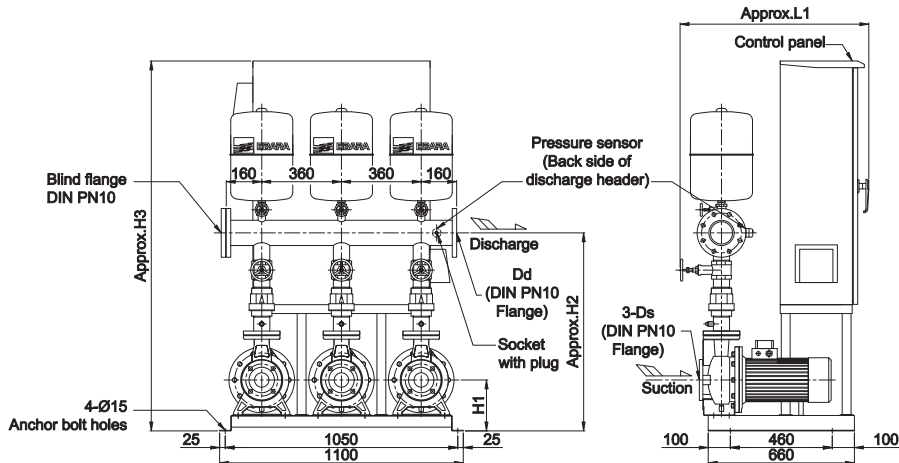


DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UN3A - T CDX 120/12	0.9	G 1 1/4"	R 2"	176	635	1470	700	170
UN3A - T CDX 120/20	1.5	G 1 1/4"	R 2"	188	655	1470	700	185
UN3A - T 2CDX 120/15	1.1	G 1 1/4"	R 2"	176	635	1470	700	180
UN3A - T 2CDX 120/20	1.5	G 1 1/4"	R 2"	176	635	1470	700	185
UN3A - T 2CDX 120/30	2.2	G 1 1/4"	R 2"	188	655	1470	715	209
UN3A - T 2CDX 120/40	3.0	G 1 1/4"	R 2"	188	655	1570	715	217
UN3A - T CDX 200/20	1.5	G 1 1/2"	DN65	176	645	1470	700	190
UN3A - T CDX 200/25	1.8	G 1 1/2"	DN65	188	675	1470	700	190
UN3A - T 2CDX 200/30	2.2	G 1 1/2"	DN65	176	645	1570	715	219
UN3A - T 2CDX 200/40	3.0	G 1 1/2"	DN65	188	665	1570	715	225
UN3A - T 2CDX 200/50	3.7	G 1 1/2"	DN65	188	665	1570	715	249

MODEL UN3A - T 3M



DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UN3A - T 3M32-160/2.2	2.2	DN50	DN80	202	760	1470	810	279
UN3A - T 3M32-200/3.0	3.0	DN50	DN80	230	805	1570	810	301
UN3A - T 3M32-200/4.0	4.0	DN50	DN80	230	805	1570	810	310
UN3A - T 3M32-200/5.5	5.5	DN50	DN80	230	805	1570	810	352
UN3A - T 3M32-200/7.5	7.5	DN50	DN80	230	805	1670	810	368
UN3A - T 3M40-160/3.0	3.0	DN65	DN100	202	795	1570	820	290
UN3A - T 3M40-160/4.0	4.0	DN65	DN100	202	795	1570	820	333
UN3A - T 3M40-200/5.5	5.5	DN65	DN100	230	840	1570	820	368
UN3A - T 3M40-200/7.5	7.5	DN65	DN100	230	840	1670	820	379
UN3A - T 3M40-200/11	11	DN65	DN100	230	840	1670	820	415
UN3A - T 3M50-160/5.5	5.5	DN65	DN100	230	875	1570	855	369
UN3A - T 3M50-160/7.5	7.5	DN65	DN100	230	875	1670	855	396
UN3A - T 3M50-200/9.2	9.2	DN65	DN100	230	895	1670	855	424
UN3A - T 3M50-200/11	11	DN65	DN100	230	895	1670	855	434

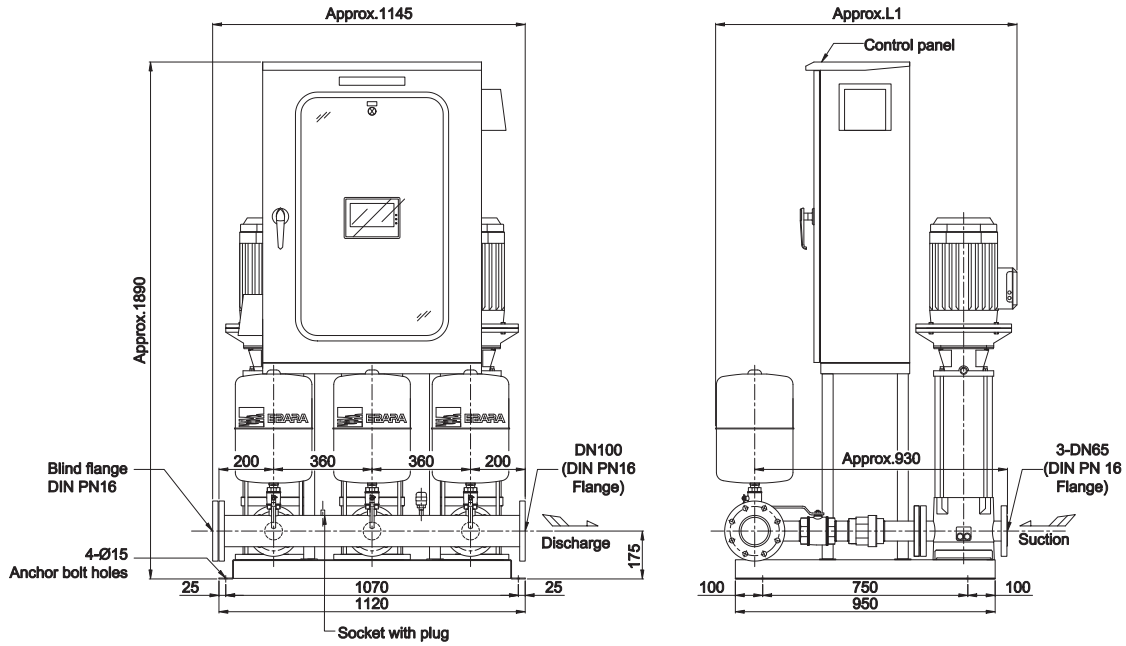
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - T

■ DIMENSIONS

MODEL UN3A - T EVM32

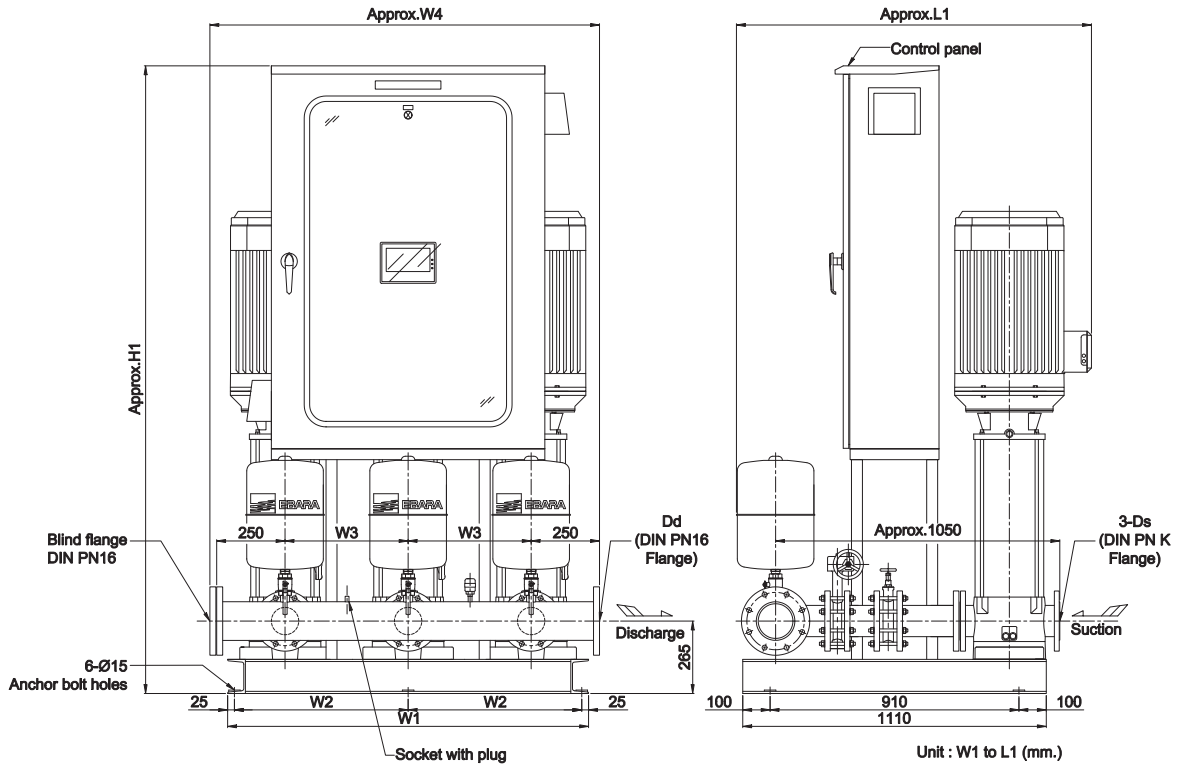


DIMENSIONS TABLE

MODEL	kW	L1	Approx. weight
UN3A - T EVM32 4-1F5/7.5	7.5	1070	622
UN3A - T EVM32 5-0F5/11	11	1100	745
UN3A - T EVM32 6-2F5/11	11	1100	754

Unit : L1 (mm.)
: Weight (kg.)

MODEL UN3A - T EVM45 & EVM64



DIMENSIONS TABLE

MODEL	kW	Ds	Dd	W1	W2	W3	W4	H1	L1	K	Approx. weight
UN3A - T EVM45 3-0F5/11	11	DN80	DN100	1140	545	360	1245	1995	1195	16	786
UN3A - T EVM45 4-0F5/15	15	DN80	DN100	1140	545	360	1245	1995	1235	25	887
UN3A - T EVM45 5-0F5/18.5	18.5	DN80	DN100	1140	545	360	1245	1995	1235	25	979
UN3A - T EVM64 3-2F5/15	15	DN100	DN125	1320	635	450	1425	1995	1235	16	899
UN3A - T EVM64 4-2F5/18.5	18.5	DN100	DN125	1320	635	450	1425	1995	1235	16	958
UN3A - T EVM64 4-0F5/22	22	DN100	DN125	1320	635	450	1425	2295	1270	16	1178
UN3A - T EVM64 5-0F5/30	30	DN100	DN125	1320	635	450	1425	2295	1300	16	1433

Unit : W1 to L1 (mm.)
: Weight (kg.)

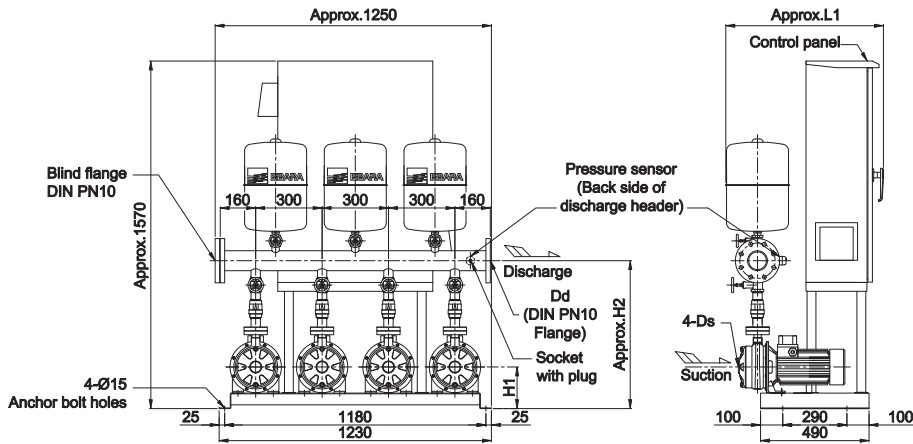
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - F

■ DIMENSIONS

MODEL UN3A - F CDX & 2CDX

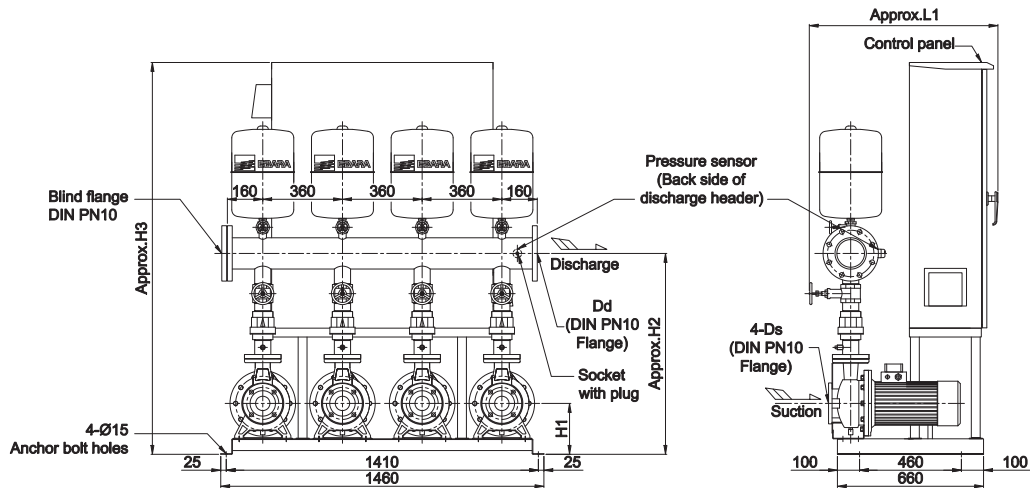


DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	L1	Approx. weight
UN3A - F CDX 120/12	0.9	G 1 1/4"	DN65	176	640	700	215
UN3A - F CDX 120/20	1.5	G 1 1/4"	DN65	188	660	700	237
UN3A - F 2CDX 120/15	1.1	G 1 1/4"	DN65	176	640	700	229
UN3A - F 2CDX 120/20	1.5	G 1 1/4"	DN65	176	640	700	237
UN3A - F 2CDX 120/30	2.2	G 1 1/4"	DN65	188	660	715	269
UN3A - F 2CDX 120/40	3.0	G 1 1/4"	DN65	188	660	715	279
UN3A - F CDX 200/20	1.5	G 1 1/2"	DN80	176	650	700	245
UN3A - F CDX 200/25	1.8	G 1 1/2"	DN80	188	680	700	245
UN3A - F 2CDX 200/30	2.2	G 1 1/2"	DN80	176	650	715	285
UN3A - F 2CDX 200/40	3.0	G 1 1/2"	DN80	188	670	715	292
UN3A - F 2CDX 200/50	3.7	G 1 1/2"	DN80	188	670	715	324

MODEL UN3A - F 3M



DIMENSIONS TABLE

Unit : H1 to L1 (mm.)
: Weight (kg.)

MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UN3A - F 3M32-160/2.2	2.2	DN50	DN100	202	775	1570	810	365
UN3A - F 3M32-200/3.0	3.0	DN50	DN100	230	820	1570	810	394
UN3A - F 3M32-200/4.0	4.0	DN50	DN100	230	820	1670	810	406
UN3A - F 3M32-200/5.5	5.5	DN50	DN100	230	820	1670	810	463
UN3A - F 3M32-200/7.5	7.5	DN50	DN100	230	820	1670	810	482
UN3A - F 3M40-160/3.0	3.0	DN65	DN125	202	805	1570	820	380
UN3A - F 3M40-160/4.0	4.0	DN65	DN125	202	805	1670	820	437
UN3A - F 3M40-200/5.5	5.5	DN65	DN125	230	855	1670	820	485
UN3A - F 3M40-200/7.5	7.5	DN65	DN125	230	855	1670	820	500
UN3A - F 3M40-200/11	11	DN65	DN125	230	855	1770	820	546
UN3A - F 3M50-160/5.5	5.5	DN65	DN125	230	890	1670	855	480
UN3A - F 3M50-160/7.5	7.5	DN65	DN125	230	890	1670	855	516
UN3A - F 3M50-200/9.2	9.2	DN65	DN125	230	910	1770	855	550
UN3A - F 3M50-200/11	11	DN65	DN125	230	910	1770	855	563

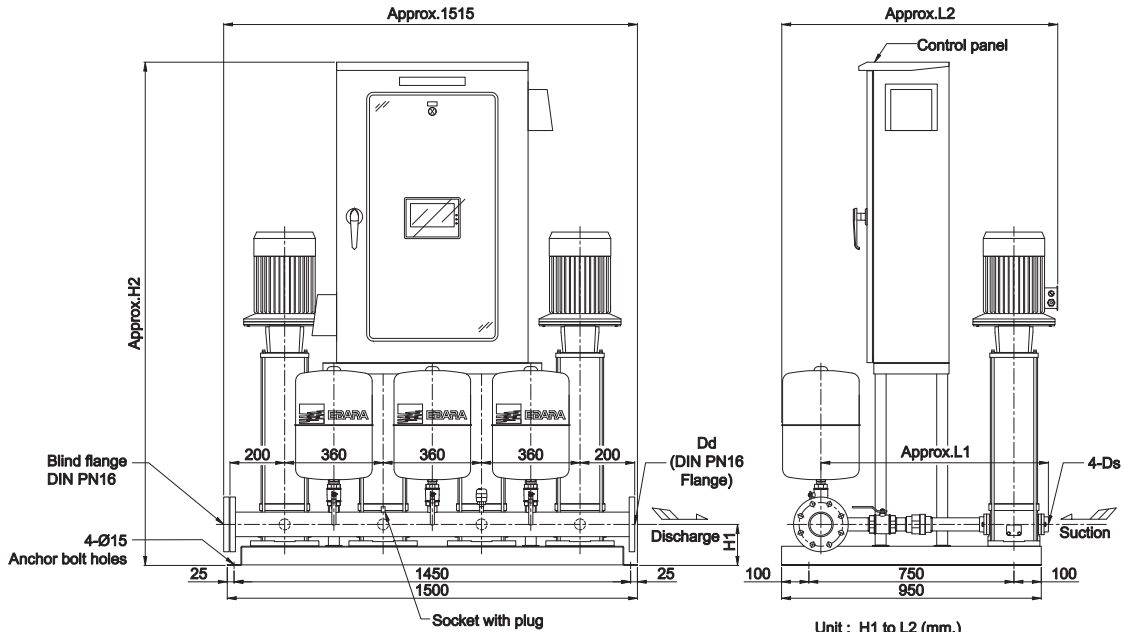
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - F

■ DIMENSIONS

MODEL UN3A - F EVMS5 & EVMS10

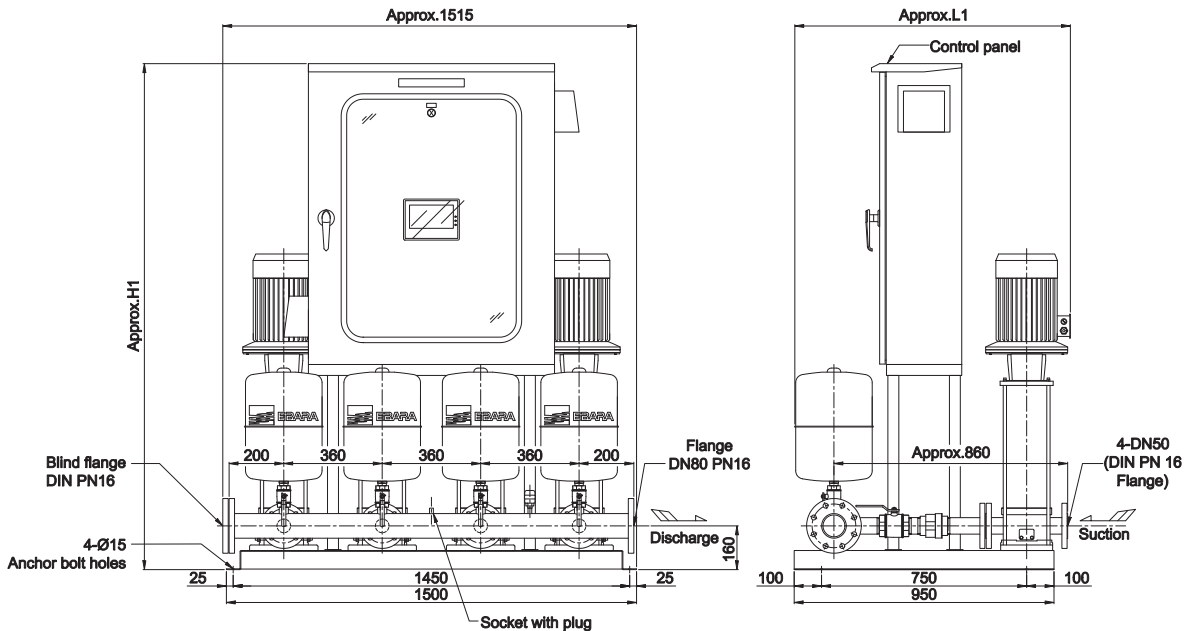


DIMENSIONS TABLE

MODEL	kW	Ds	Dd	H1	H2	L1	L2	Approx. weight
UN3A - F EVMS5 11N5/2.2	2.2	G 1 1/4"	DN50	120	1740	820	1010	410
UN3A - F EVMS5 15N5/3.0	3.0	G 1 1/4"	DN50	120	1740	820	1015	450
UN3A - F EVMS10 8N5/3.0	3.0	G 1 1/2"	DN80	150	1740	840	1010	475
UN3A - F EVMS10 11N5/4.0	4.0	G 1 1/2"	DN80	150	1740	840	1010	489
UN3A - F EVMS10 14N5/5.5	5.5	G 1 1/2"	DN80	150	1840	840	1010	583

Unit : H1 to L2 (mm.)
: Weight (kg.)

MODEL UN3A - F EVMS15 & EVMS20



DIMENSIONS TABLE

MODEL	kW	H1	L1	Approx. weight
UN3A - F EVMS15 6F5/5.5	5.5	1850	1010	620
UN3A - F EVMS15 8F5/7.5	7.5	1850	1010	638
UN3A - F EVMS20 6F5/7.5	7.5	1850	1010	638
UN3A - F EVMS20 8F5/11	11	1950	1045	793
UN3A - F EVMS20 9F5/11	11	1950	1045	793

Unit : H1 to L1 (mm.)
: Weight (kg.)

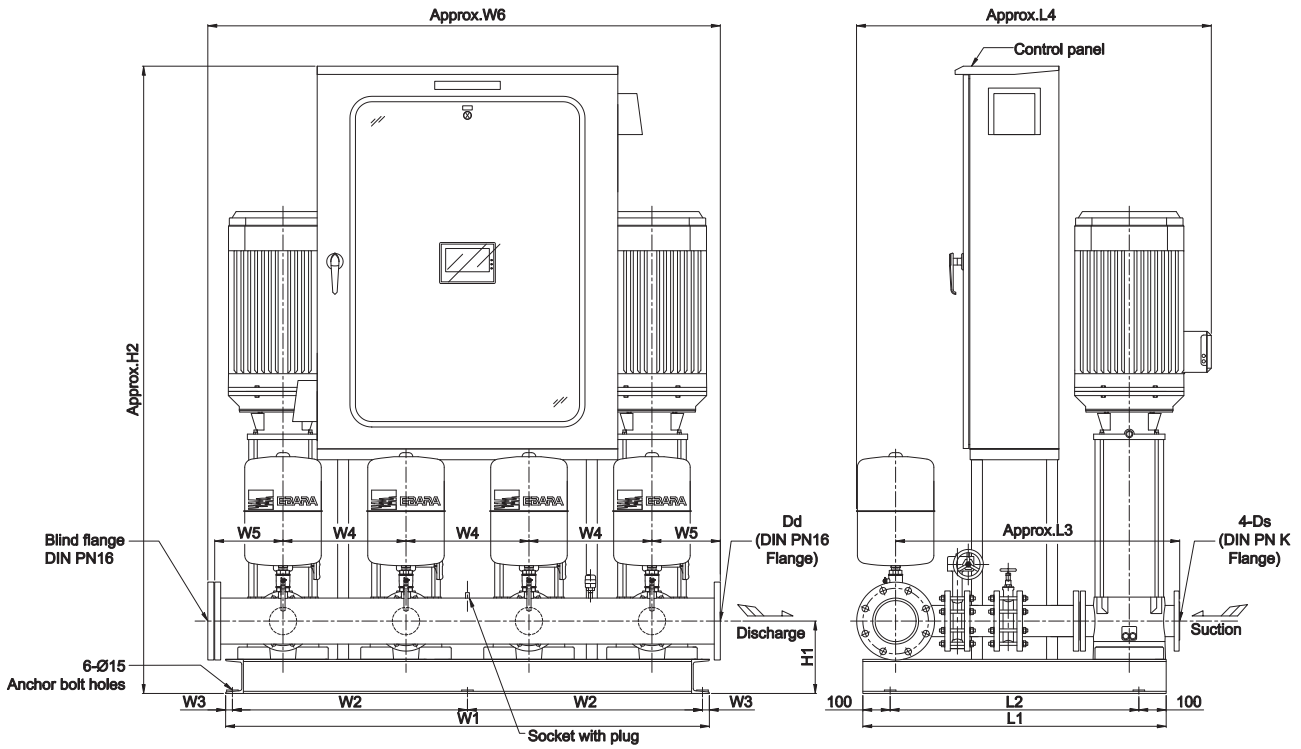
Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.

MODEL : UN3A - F

■ DIMENSIONS

MODEL UN3A - F EVM32 to EVM64



Unit : W1 to L4 (mm.)
: Weight (kg.)

DIMENSIONS TABLE

MODEL	kW	Ds	Dd	W1	W2	W3	W4	W5	W6	H1	H2	L1	L2	L3	L4	K	Approx. weight
UN3A - F EVM32 4-1F5/7.5	7.5	DN65	DN100	1380	670	20	360	200	1505	205	1920	950	750	930	1070	16	820
UN3A - F EVM32 5-0F5/11	11	DN65	DN100	1380	670	20	360	200	1505	205	2020	950	750	930	1100	16	987
UN3A - F EVM32 6-2F5/11	11	DN65	DN100	1380	670	20	360	200	1505	205	2020	950	750	930	1100	16	999
UN3A - F EVM45 3-0F5/11	11	DN80	DN125	1500	725	25	360	250	1605	265	2095	1110	910	1050	1195	16	1025
UN3A - F EVM45 4-0F5/15	15	DN80	DN125	1500	725	25	360	250	1605	265	2095	1110	910	1050	1235	25	1160
UN3A - F EVM45 5-0F5/18.5	18.5	DN80	DN125	1500	725	25	360	250	1605	265	2095	1110	910	1050	1235	25	1284
UN3A - F EVM64 3-2F5/15	15	DN100	DN150	1770	860	25	450	250	1875	265	2095	1110	910	1050	1235	16	1180
UN3A - F EVM64 4-2F5/18.5	18.5	DN100	DN150	1770	860	25	450	250	1875	265	2095	1110	910	1050	1235	16	1281
UN3A - F EVM64 4-0F5/22	22	DN100	DN150	1770	860	25	450	250	1875	265	2295	1110	910	1050	1270	16	1557
UN3A - F EVM64 5-0F5/30	30	DN100	DN150	1770	860	25	450	250	1875	265	2295	1110	910	1050	1300	16	1867

Note : 1) kW shown output per 1 pump.

2) Actual components layout will differ from above drawings in some models.



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