EBARA TRANSFER PUMP UNIT

MODEL UT

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.*

- ***High reliable operation system***
- ***Long life expectancy***
- ***Economy operation & maintenance***
- ***Detail informative output***

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MODEL : UT

APPLICATIONS

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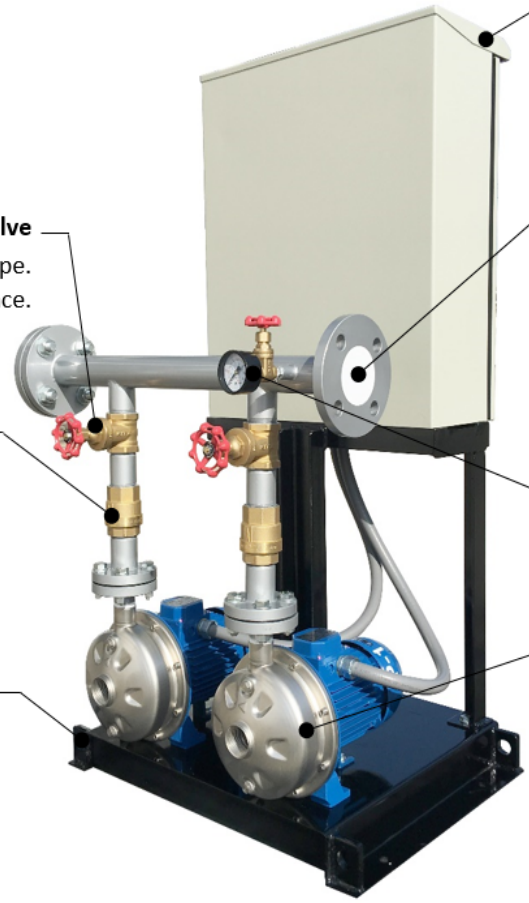
3. Industrial : Factory utility, Manufacturing & processing industries applications etc.
4. Social service : Schools, Hospitals etc.

FEATURES

1. *All components are integrated* on a rugged steel base. It is *ready for use* by only connecting with supply piping and to the power source.
2. Layout is *very compact* and *much lighter* than conventional units, It occupies *lesser space* and requires *easier installation* than conventional units.
3. The water supply control system which *depend on water level of discharge water tank*, requires only water level sensor (Electrode sensor type or Float switch type) to install and ensures *constant fresh water supply*.
4. Protect no suction water in suction water tank by water level sensor (Electrode sensor or Float switch).
5. Pumps are in parallel operation for high demand and alternating in low demand, suitable for *energy-saving*.
6. Easier to see the operating electric current on the display and provide with dry contact output for basic data to monitoring room.
7. *Various options are available* on request.



Control panel
Control pump operation from water level sensor (Electrode or Float switch)

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

Shut-off valve
Easy operation and high reliability type.
Useful for unit maintenance.

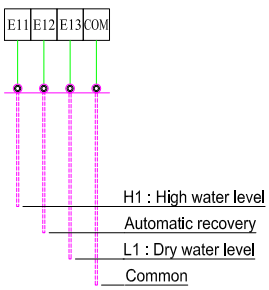
Check valve
Spring loaded type.
Reduces water surge at pump stop.
Prolongs the unit life and performs.
Quiet operation.

Pressure gauge
Indicator of water pressure.

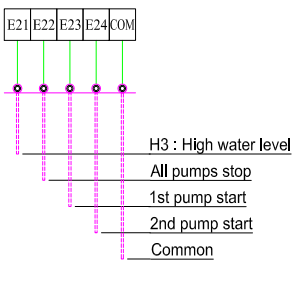
Pump
Stainless steel construction.
High reliability and long life.

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

How to set water level sensor



Suction water tank



Discharge water tank

Water level sensor is available for the both of electrode or float switch type. It shall be installed in the discharge and suction water tank to complete the control function.

Discharge water tank
Pump automatic operation signal is come from water level sensor installed in discharge tank. This point will control pump running conditoin by water level inside the tank (Single or Parallel).

Suction water tank
Water level sensor in suction tank is installed to provide interlock signal to control pump operation. When water level of suction tank is in normal condition, the pump will be operated by signal from discharge tank.

In case water in suction tank is low level, pump will be not allowed to operate although the signal from discharge tank order to start.

TRANSFER PUMP UNIT
MODEL : UT

SPECIFICATIONS

STANDARD

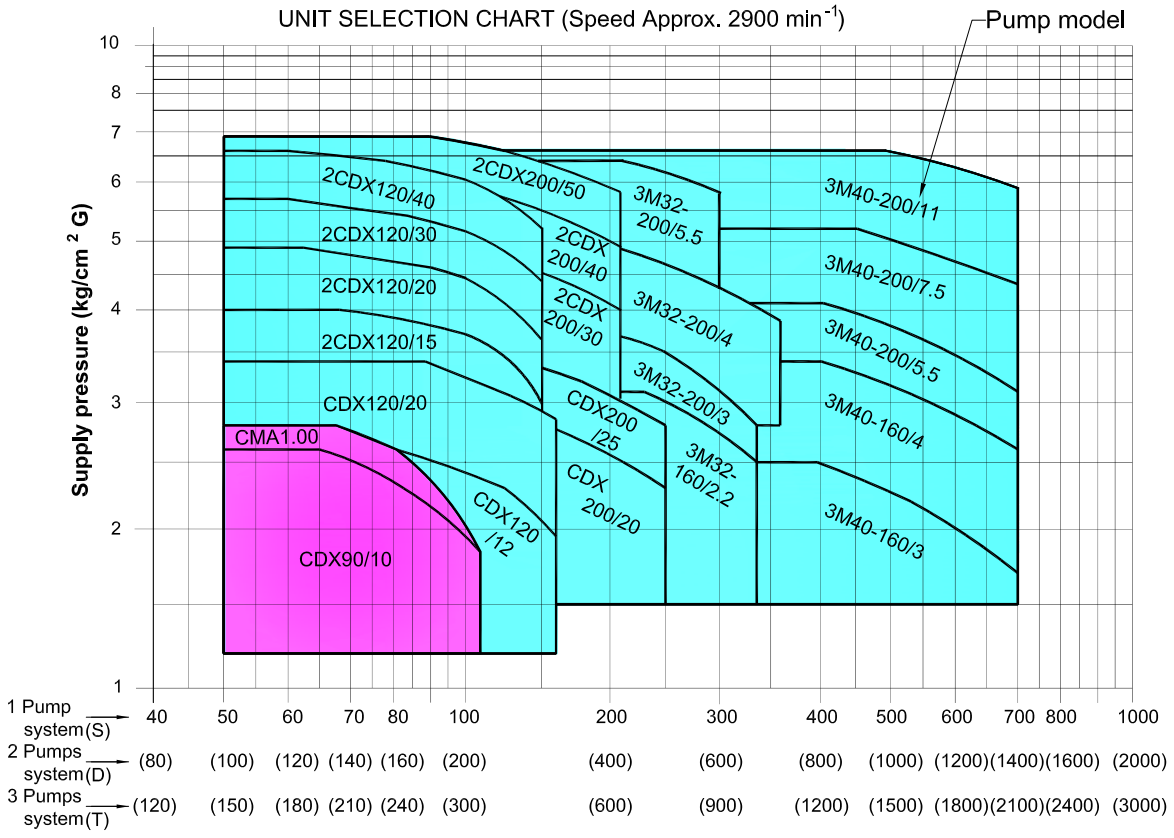
Model		UT - S	UT - D	UT - T
Pump operation No.		1	2	3
Pump model		CMA, CDX, 2CDX & 3M	CMA, CDX, 2CDX & 3M	CMA, CDX, 2CDX & 3M
Handled liquid property		Fresh water, 0-60 degree C (Except CMA1.00 : 0-40 degree C)		
Installation		Outdoor design		
Operation system	Pump speed	Constant		
	Control	Water level sensor*	Water level sensor*	Water level sensor*
Power source		AC, Three phase, 50Hz, 380V		
Max. working pressure		6 to 10 barG depend on pump model		
Allowable suction pressure		Min. : -0.3 barG (-0.3 kg/cm^2 G), Max. : Refer to model		
Control panel	Starting method	DOL (Up to 5.5kW) or Star-Delta (7.5 to 11kW)		
	Construction	Weather & Dust proof type		
	Operation key	Push button & Selector switch type	Push button type	Push button & Selector switch type
Water level sensor	Construction	Electrode sensor type or Float switch *		
	Installed location	Discharge and Suction tank		
Accessories		Control panel & Support, Pressure gauge Common base, Piping & Valves, Electrical wiring, Water level sensor*		

OPTION

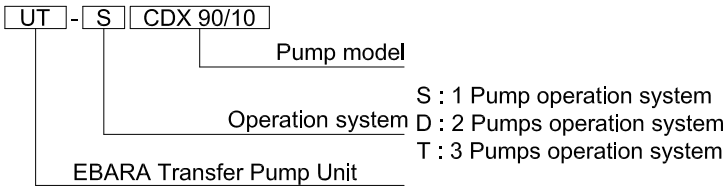
Pump model	Other models upon request (Ebara pump model CMB, 3D, EVMS,...)
Water level sensor	Float switch type
Others	On request

Note) * : Electrode sensor type Is provided as standard.

SELECTION CHART AND MODEL CODE



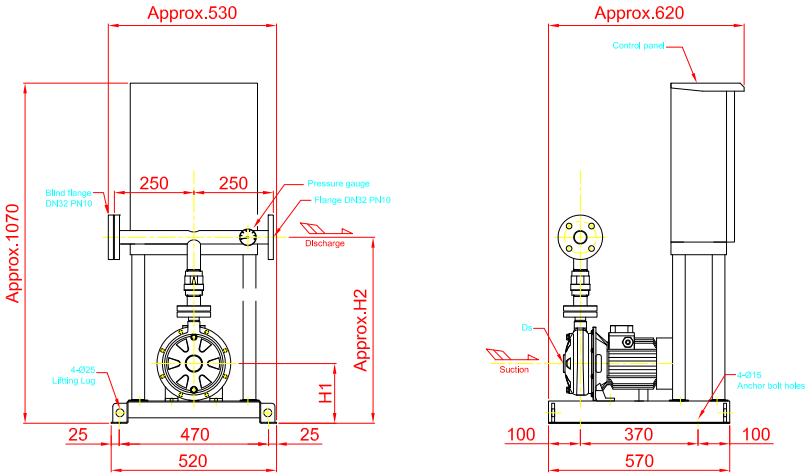
Transfer Pump Unit Model Code



TRANSFER PUMP UNIT
MODEL : UT

■ DIMENSIONS

MODEL UT - S CMA, CDX & 2CDX

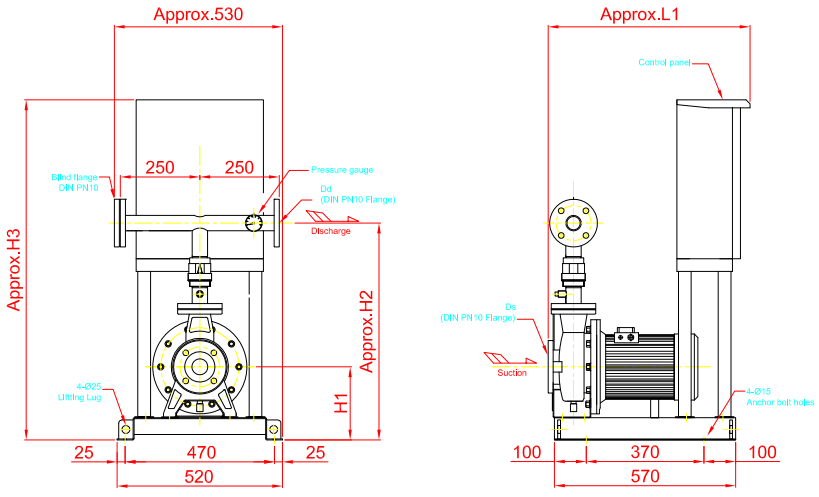


DIMENSIONS TABLE

MODEL	kW	Ds	H1	H2	Approx. weight
UT - S CMA 1.00	0.75	G 1"	167	567	80
UT - S CDX 120/12	0.9	G 1 1/4"	176	565	80
UT - S CDX 120/20	1.5	G 1 1/4"	188	585	85
UT - S 2CDX 120/15	1.1	G 1 1/4"	176	565	83
UT - S 2CDX 120/20	1.5	G 1 1/4"	176	565	85
UT - S 2CDX 120/30	2.2	G 1 1/4"	188	585	93
UT - S 2CDX 120/40	3.0	G 1 1/4"	188	585	95
UT - S CDX 200/20	1.5	G 1 1/2"	176	565	83
UT - S CDX 200/25	1.8	G 1 1/2"	188	585	83
UT - S 2CDX 200/30	2.2	G 1 1/2"	176	565	93
UT - S 2CDX 200/40	3.0	G 1 1/2"	188	585	95
UT - S 2CDX 200/50	3.7	G 1 1/2"	188	585	103

Unit : H1 to H2 (mm.)
: Weight (kg.)

MODEL UT - S 3M



DIMENSIONS TABLE

MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UT - S 3M32-160/2.2	2.2	DN50	DN40	202	635	1070	635	100
UT - S 3M32-200/3.0	3.0	DN50	DN40	230	685	1070	635	108
UT - S 3M32-200/4.0	4.0	DN50	DN40	230	685	1070	635	110
UT - S 3M32-200/5.5	5.5	DN50	DN40	230	685	1070	635	125
UT - S 3M40-160/3.0	3.0	DN65	DN50	202	650	1070	635	99
UT - S 3M40-160/4.0	4.0	DN65	DN50	202	650	1070	635	113
UT - S 3M40-200/5.5	5.5	DN65	DN50	230	700	1070	655	125
UT - S 3M40-200/7.5	7.5	DN65	DN50	230	700	1170	655	128
UT - S 3M40-200/11	11	DN65	DN50	230	700	1170	655	140

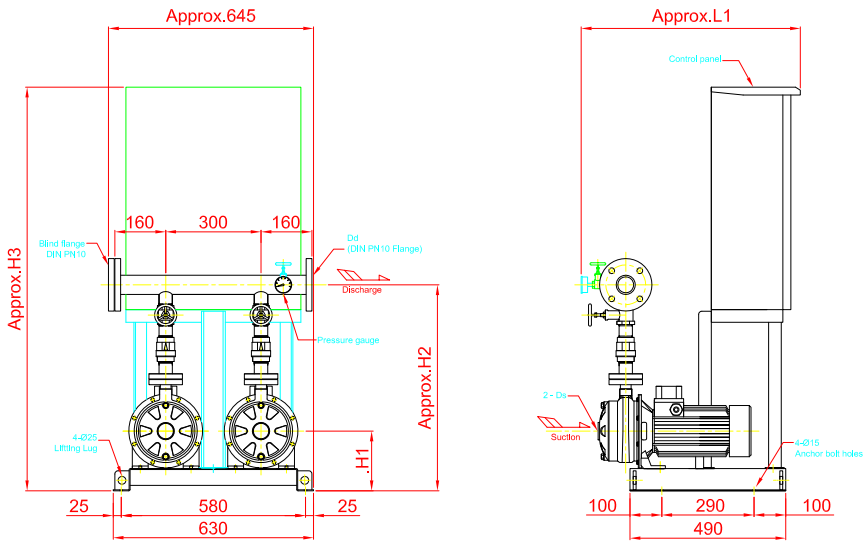
Unit : H1 to L1 (mm.)
: Weight (kg.)

Note : 1) All specifications subject to change without prior notice.

TRANSFER PUMP UNIT
MODEL : UT

■ DIMENSIONS

MODEL UT - D CMA, CDX & 2CDX



DIMENSIONS TABLE

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

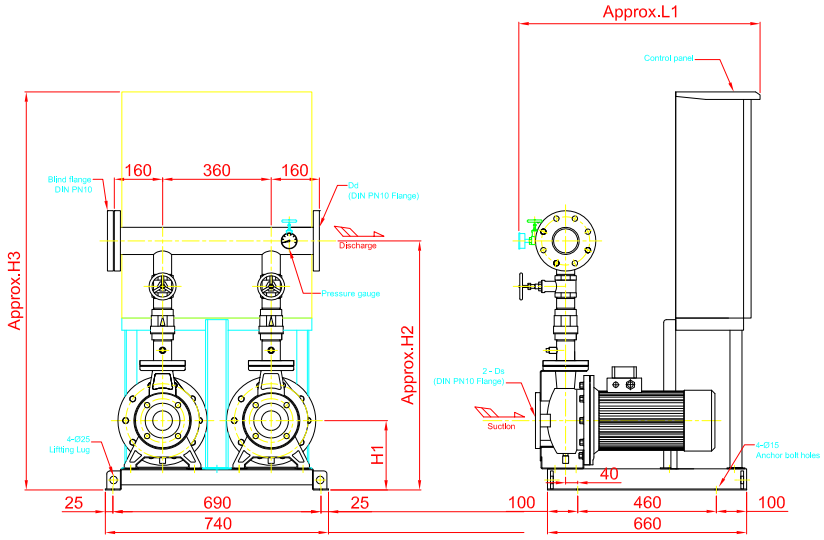
MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UT - D CMA 1.00	0.75	G 1"	DN32	167	625	1170	665	95
UT - D CDX 90/10	0.75	G 1 1/4"	DN32	176	625	1170	665	95
UT - D CDX 120/12	0.9	G 1 1/4"	DN40	176	625	1170	670	95
UT - D CDX 120/20	1.5	G 1 1/4"	DN40	188	645	1170	670	100
UT - D 2CDX 120/15	1.1	G 1 1/4"	DN40	176	625	1170	670	100
UT - D 2CDX 120/20	1.5	G 1 1/4"	DN40	176	625	1170	670	105
UT - D 2CDX 120/30	2.2	G 1 1/4"	DN40	188	645	1170	685	125
UT - D 2CDX 120/40	3.0	G 1 1/4"	DN40	188	645	1170	685	125
UT - D CDX 200/20	1.5	G 1 1/2"	DN50	176	630	1170	675	105
UT - D CDX 200/25	1.8	G 1 1/2"	DN50	188	650	1170	675	105
UT - D 2CDX 200/30	2.2	G 1 1/2"	DN50	176	630	1170	690	125
UT - D 2CDX 200/40	3.0	G 1 1/2"	DN50	188	650	1170	690	125
UT - D 2CDX 200/50	3.7	G 1 1/2"	DN50	188	650	1270	690	145

Note : 1) kW shown output per 1 pump.
2) All specifications subject to change without prior notice.

TRANSFER PUMP UNIT
MODEL : UT

■ DIMENSIONS

MODEL UT - D 3M



DIMENSIONS TABLE

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

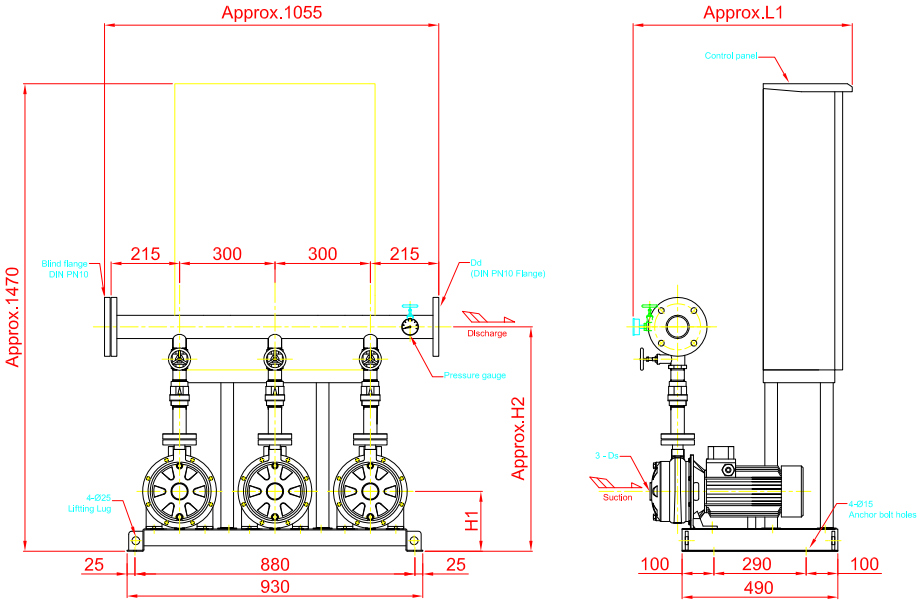
MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UT - D 3M32-160/2.2	2.2	DN50	DN65	202	755	1170	795	135
UT - D 3M32-200/3.0	3.0	DN50	DN65	230	800	1170	795	160
UT - D 3M32-200/4.0	4.0	DN50	DN65	230	800	1270	795	165
UT - D 3M32-200/5.5	5.5	DN50	DN65	230	800	1270	795	180
UT - D 3M40-160/3.0	3.0	DN65	DN80	202	780	1170	800	160
UT - D 3M40-160/4.0	4.0	DN65	DN80	202	780	1270	800	165
UT - D 3M40-200/5.5	5.5	DN65	DN80	230	830	1270	800	180
UT - D 3M40-200/7.5	7.5	DN65	DN80	230	830	1320	800	225
UT - D 3M40-200/11	11	DN65	DN80	230	830	1320	800	245

Note : 1) kW shown output per 1 pump.
2) All specifications subject to change without prior notice.

TRANSFER PUMP UNIT
MODEL : UT

■ DIMENSIONS

MODEL UT - T CMA, CDX & 2CDX



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

DIMENSIONS TABLE

MODEL	kW	Ds	Dd	H1	H2	L1	Approx. weight
UT - T CMA 1.00	0.75	G 1"	DN40	167	630	680	144
UT - T CDX 90/10	0.75	G 1 1/4"	DN40	176	630	680	142
UT - T CDX 120/12	0.9	G 1 1/4"	DN50	176	680	680	147
UT - T CDX 120/20	1.5	G 1 1/4"	DN50	188	700	680	161
UT - T 2CDX 120/15	1.1	G 1 1/4"	DN50	176	680	680	156
UT - T 2CDX 120/20	1.5	G 1 1/4"	DN50	176	680	680	162
UT - T 2CDX 120/30	2.2	G 1 1/4"	DN50	188	700	695	185
UT - T 2CDX 120/40	3.0	G 1 1/4"	DN50	188	700	695	193
UT - T CDX 200/20	1.5	G 1 1/2"	DN65	176	685	680	158
UT - T CDX 200/25	1.8	G 1 1/2"	DN65	188	705	680	157
UT - T 2CDX 200/30	2.2	G 1 1/2"	DN65	176	685	695	187
UT - T 2CDX 200/40	3.0	G 1 1/2"	DN65	188	705	695	192
UT - T 2CDX 200/50	3.7	G 1 1/2"	DN65	188	705	695	216

Note : 1) kW shown output per 1 pump.
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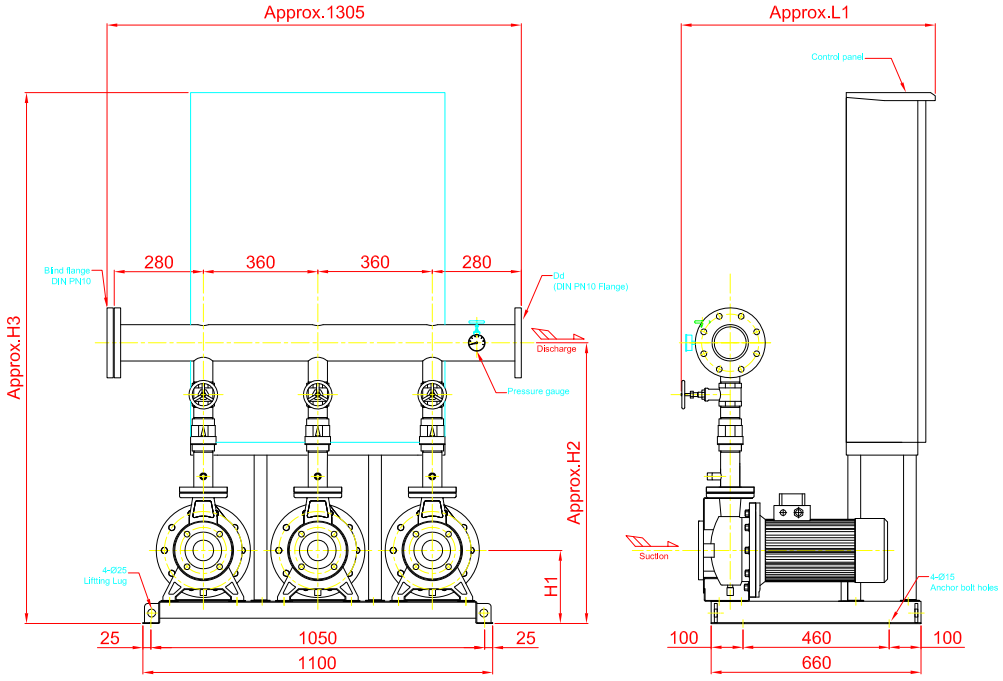
TRANSFER PUMP UNIT
MODEL : UT

■ DIMENSIONS

MODEL UT - T 3M



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

DIMENSIONS TABLE

MODEL	kW	Ds	Dd	H1	H2	H3	L1	Approx. weight
UT - T 3M32-160/2.2	2.2	DN50	DN80	202	805	1470	790	269
UT - T 3M32-200/3.0	3.0	DN50	DN80	230	850	1470	790	291
UT - T 3M32-200/4.0	4.0	DN50	DN80	230	850	1470	790	300
UT - T 3M32-200/5.5	5.5	DN50	DN80	230	850	1470	790	342
UT - T 3M40-160/3.0	3.0	DN65	DN100	202	835	1470	800	280
UT - T 3M40-160/4.0	4.0	DN65	DN100	202	835	1470	800	323
UT - T 3M40-200/5.5	5.5	DN65	DN100	230	885	1470	800	358
UT - T 3M40-200/7.5	7.5	DN65	DN100	230	885	1670	800	369
UT - T 3M40-200/11	11	DN65	DN100	230	885	1670	800	402

Note : 1) kW shown output per 1 pump.
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EBARA (THAILAND) LIMITED

Head Office : 125 ACME Building 3rd Floor, Petchburi Rd., Tungphayathai, Rajthevee, Bangkok 10400, Thailand
Tel: +(66) 2612-0322 ~ 30 Fax : +(66) 2612-0331, Email : info@ebara.co.th, Website : www.ebara.co.th

Factory : Navanakorn Industrial Promotion Zone, 56/20 Moo 20, Tumbon Klong Nueng, Amphur Klong Luang, Pathumthani 12120
Tel: +(66) 2529-3643, +(66) 2529-3648 Fax : +(66) 2529-3628

Phuket : Branch Office 107/33 Village no.5 Ratsada, Phuket District, Phuket 83000
Tel: +(66) 76-526-077 ~ 8

Yangon : Branch Office Room 421, 4th Floor, Yuzana Hotel, 130 Shwegondaing Road, Bahan Township, Yangon, Myanmar
Tel: +(95) 1-860-4913 Fax : +(95) 1-860-3392