

CONSTRUCTION TOOLS

Hydraulic Pressure Test Pump

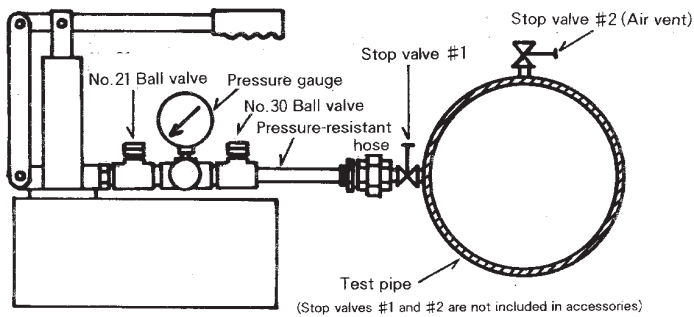


T-300NDX
T-500NDX
T-1000NDX

• FEATURES OF KYOWA TESTER

1. Achievement of high pressures 50, 100, 300, 500, 1000kg/cm² by simple mechanism and simple operation.
2. Easy-to-carry handy type.
3. Lightweight and rust-free plastic tank, with dust-proof cover.
4. With direct-coupled type ball tap available for city water supply, ... easy to feed water.
5. Pressure gauge with 100ø large vibration absorber.
6. The closing valve is of special construction of Kyowa original design.
7. T-50N is designed for large suction/discharge rate and lightweight, having the capacity several times the conventional model.
8. T-50N is simply connected with a 1.5m high pressure hose with one-touch coupler.

• HOW TO TEST



• Testing Procedures

- 1) Install the stop valves to the test pipe (#1, #2)
- 2) Fill up the test pipe with water by the use of service water or other supply source.
- 3) When the test pipe is filled with water, remove air and close the valve (#2).
- 4) Connect the tester and the test pipe with the attached pressure resistant hose ass'y.
- 5) Fill the water tank of the tester with water and operate the pump.
- 6) Open the ball valves No.21 and No.30 of the tester body and the stop valve (#1) of the test pipe and continue the operation to fill up with water.
- 7) When the pressure gauge No.23 equipped to the tester rises to the required pressure, close only the ball valve No.21 of the tester body.
- 8) If the pressure does not drop, the test pipe is perfect.
- 9) If the pressure drops, it is indicative of leakage caused somewhere on the test pipe.

• SPECIFICATIONS (50kg/cm² pressure gauge is available if desired.)

Code	Item Model	Maximum Pressure kg/cm ²	Plunger Diameter	Stroke mm	Suction Per Stroke c.c	Tank Capacity	Size of Discharge Nozzle	Weight kg	Dimensions L x H x W	Accessories
AA00021	T-50K-P	50	22	35	13	4.5 Plastic Tank	1/4	3.3	320 x 300 x 200	Pressure gauge 1/4 PF; 1/4 PF x 1m Pressure resistant hose ass'y
AA00022	T-100K	100	22	35	13	5.2 Steel Tank	1/4	7.0	370 x 300 x 210	Pressure gauge 1/4 PF; 1/4 nipple Ultra high pressure hose 1/4 PF x 1m
AA00023	T-300NDX	300	12	45	5.0	18	3/8	8	610 x 375 x 290	Hose ass'y; 3/8 x 1m
AA00024	T-500NDX	500	8	30	1.5	18	3/8	9.5	630 x 410 x 270	Hose ass'y; 3/8 x 1m
AA00025	T-1000NDX	1000	8	30	1.5	18	3/8	9.5	630 x 410 x 270	Hose ass'y; 3/8 x 1m

• The above specification is subject to change without prior notice. Caution other similar products. Our N-series is patented.

SUPER HIGH PRESSURE CLEANER TEST PUMP



Code No.	Model No.	Pressure	discharge	Motor	Water feed system	Dimension (mm)	Weight
AA00222	KYC-20A	40	3.5	250	Self-priming	250 x 230 x 210	9
AA00223	KYC-40A	35	7	400	Self-priming	325 x 255 x 240	17

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CONSTRUCTION TOOLS

2" Light & Medium-Duty Drainage Pumps

Submersible General Dewatering Torque Flow Pump
Long-term best seller spiral casing pump equipped with high performance motor.



AA00118

Specifications

Code	Discharge Bore (mm)	Model	Motor Output (kW)	Phase	Total Head (m)	Capacity (m ³ /min)	Starting Method	Dry Weight (kgS)	Length of Cable (m)	Dimensions (mm)							C.W.L
										d	A	A1	B	B1	D	H	
AA00118	50	HS2.45	0.4	Single	12	0.2	C/S	11.3	5	50	241	207	158	84	184	328	90
AA00119	50	LB1500	1.5	Single	17.5	0.42	C/S	32	10	50	122	600	518	187		593	80
AA00120	50	NK2.22	2.2	Single	24	0.53	C/S	32	10	50	240	187	555	473	240	623	80

2" to 6" Light & Medium-Duty Drainage Pumps

Efficient motor cooling by a one-way channel;
Space economy by a top outlet
Remarkably increased maximum submersible depth by a high pressure endurance mechanical seal.



AA00120

Specifications

Code	Discharge Bore (mm)	Model	Motor Output (kW)	Phase	Total Head (m)	Capacity (m ³ /min)	Starting Method	Dry Weight (kgS)	Length of Cable (m)	Dimensions (mm)							C.W.L
										d	A	A1	B	B1	D	H	
AA00123	80	KTZ32.2	2.2	Three-phase	10.0	0.60	D.O.L	34	8	80	235	235	529	421	216	498	120
AA00126	100	KTZ43.7	3.7	Three-phase	10.0	1.00	D.O.L	56	8	100	283	283	630	492	252	625	150
AA00128	100	KTZ45.5	5.5	Three-phase	15.0	1.00	D.O.L	71	8	100	306	306	658	520	259	653	150
AA00130	150	KTZ67.5	7.5	Three-phase	15.0	1.60	D.O.L	98	8	150	330	330	773	600	314	661	190
AA00132	150	KTZ611	11	Three-phase	20.0	1.70	D.O.L	135	8	150	373	373	814	633	350	728	190

Diesel Driven Trush Pump

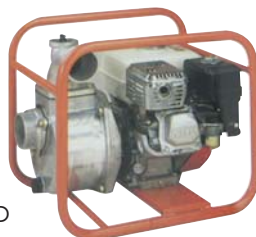
SE-XD Series

Outstanding Features

- The efficient die-cast aluminium pump delivers high volumes of water powered by a strong and durable Robin diesel engine.
- The high effectively mechanical seal with special carbon ceramics, provides extra durability.
- The entire unit is protected by a sturdy "roll over" steel pipe frame.
- Operation costs are cut sharply by adopting an economic diesel engine.



SE-50XD
AA00155



SE-80XD
AA00156

Type	SE-50XD	SE-80XD	
PUMP	Connection Dia	50m/m (2")	80m/m (3")
	Connection Thread	Outer Pipe Thread	
	Total Head	23m (75 ft)	
	Delivery Volume	560l/min (149U.S.G./min)	900l/min (238U.S.G./min)
ENGINE	Model	Forced Air Cooling 4 Cycle Diesel Engine	
		Robin DY23D	
	Exhaust Volume	230c.c.	
	Horsepower	4.2ps/3600rpm	
		5.0ps/3600rpm	
	Fuel	Diesel	
	Fuel Tank Capacity	3200cc	
	Fuel Tank Consumption Hour (Full Tank)	Abt 3.5hr	Abt 3hr
Starting Method	Recoil Starter		
Gross Weight	47kg	50kg	
Standard Accessories	1 stainer 2 Hose Couplings	3 Hose Bands 1 Engine Tool Set	
Dimension	583 x 423 x 515		
Packing Unit	1		

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CONSTRUCTION TOOLS

Petrol & Diesel Driven Trush Pump

KTR & KTR-D Series

Outstanding Features

- A high performance Robin engine makes the pump light-weight and compact.
- It provides excellent durability.
- For the mechanical seat, the conventional material, carbon ceramics, has been replaced by a new material deployed for the first time in Japan for mechanical seals. There is virtually no wear on the mechanical seal employing Silicon Carbide.
- An optional economic diesel engine is available. (KTR-80D & KTR-100D)

		PETROL		DIESEL	
P U M P	Model	KTR-80	KTR-100	KTR-80D	KTR-100D
	Connection Dia	80m/m (3")	100m/m (4")	80m/m (3")	100m/m (4")
	Connection Thread	Fire Fighting Hose Coupling Thread			
	Total Head	24m (79ft)	23m (75ft)	21m (69ft)	19m (62ft)
	Delivery Volume	1100/min (290U.S.G./min)	1700/min (449U.S.G./min)	1050/min (277U.S.G./min)	1450/min (383U.S.G./min)
	Material for Mechanical Seal	SiC (silicon carbide)			
	Material for Impeller	Hi-Chrome			
E N G I N E	Material for Volute	Spheroidal Graphite Iron Castings			
	Max. Suction Head	8m			
	Model	Robin EY28D	Robin EY40D	Robin DY30D	Robin DY41D
		Forced Air Cooling 4 Cycle Gasoline Engine		Forced Air Cooling 4 Cycle Diesel Engine	
	Exhaust Volume	273c.c.	388c.c.	299c.c.	412c.c.
	Horsepower	5.5ps/3600rpm 7.5ps/4000rpm	8.0ps/3600rpm 10.0ps/3600rpm	5.5ps/3600rpm 6.5ps/3600rpm	7.5ps/3600rpm 8.5ps/3600rpm
	Fuel Tank Capacity	5500cc	6000cc	4500cc	4500cc
Fuel Tank Consumption Hour (Full Tank)	Abt 3hr		Abt 4hr	Abt 2.5hr	
Fuel	Automobile Non-lead Gasoline		Light Oil		
Starting Method	Recoil Starter				
Standard Accessories	1 Strainer 3 Hose Bands	2 Coupling Set 1 Engine Tool Set	1 Strainer 1 Engine Tool Set		
Gross Weight	59kg	82kg	125kg	142kg	
Dimension	672 x 516 x 680	790 x 550 x 725	783 x 476 x 812	836 x 564 x 843	
Packing Unit	1	1	1	1	

KTR-80
AA00149
KTR-80D
AA00232



KTR-100
AA00150
KTR-100D
AA00151



Petrol Driven Trush Pump

		SE-50X	SE-80X	SE-100L
P U M P	Connection Dia	50m/m (2")	80m/m (3")	100m/m (4")
	Connection Thread	Outer Pipe Thread		Fire Fighting Hose Coupling Thread
	Total Head	30m (98ft)	26m (85ft)	28 (92ft)
	Delivery Volume	600/min (158U.S.G./min)	900/min (238U.S.G./min)	1450/min (383U.S.G./min)
E N G I N E	Model	Forced Air Cooling 4 Cycle Gasoline Engine		
		Robin EY15D	Robin EY20D	Robin EY28D
	Exhaust Volume	143c.c.	183c.c.	273c.c.
	Horsepower	2.7ps/3600rpm 3.5PS/4000rpm	3.5ps/3600rpm 5.0ps/4000rpm	5.5ps/3600rpm 7.5ps/4000rpm
	Fuel	Automobile Non-lead Gasoline		
	Fuel Tank Capacity	2800cc	3800cc	5500cc
	Fuel Tank Consumption Hour (Full Tank)	Abt 2.5hr	Abt 2.5hr	Abt 3hr
Starting Method	Recoil Starter			
Gross Weight	25kg	34kg	66kg	
Standard Accessories	1 stainer 2 Hose Couplings	3 Hose Bands 1 Engine Tool Set		
Dimension	489 x 340 x 435	535 x 380 x 487	650 x 453 x 660	
Packing Unit	1	1	1	



SE-50X
AA00152



SE-80X
AA00153



SE-100L
AA00154

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CONSTRUCTION TOOLS

Metal Pump

M4 – 1-1/2" Metal Pump



AA00171

Specifications

Materials of Construction, Wetted Housings
(Water Chambers, Inlet/Discharge Manifolds)

Materials	Shp. wt.	Material	Shp. wt.
Aluminum	37lbs.	316 Stainless Steel	52lbs.
Hastelloy C	58lbs.	Cast Iron	56lbs.

Materials of Construction, Non-Wetted Housings

Description	Material
Centre Section	Polpropylene
Centre Block	Aluminium or Aluminium, Nickel-Plated
Air Chambers	Mild Steel or Mild Steel, Nickel-Plated
Air Valve	Brass or Brass, Teflon®-Coated or Brass, Nickel-Plated Stainless Steel

Suction Lift Capability

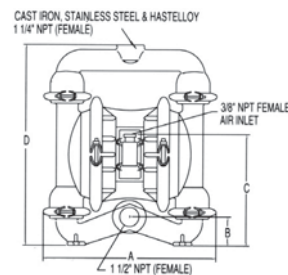
Dry Lift	Primed Lift
21' (6.4m)	25' (7.62m)

The above figures represent rubber-fitted pump capabilities.
Consult your distributor for TPE and/or Teflon®-fitted pump data.

Maximum Diameter Solids
3/16" (4.76mm) Diameter

Elastomer Options

Material	Temperature Limits
Polyurethane	+10 (-12.2) to +150 (65.6) F° (C°)
Neoprene	0 (-17.8) to +200 (93.3) F° (C°)
Buna-N	+10 (-12.2) to +180 (82.2) F° (C°)
Nordel	-60 (-51.1) to +280 (137.8) F° (C°)
Viton	-40 (-40.0) to +350 (176.7) F° (C°)
Saniflex™	-20 (-28.9) to +220 (104.4) F° (C°)
Teflon®	+40 (-4.4) to +220 (104.4) F° (C°)
Wil-Flex™	-40 (-40.0) to +225 (107.2) F° (C°)



M8 – 2" Metal Pump



AA00172

Specifications

Materials of Construction, Wetted Housings
(Water Chambers, Inlet/Discharge Manifolds)

Materials	Shp. wt.	Material	Shp. wt.
Aluminum	67lbs.	316 Stainless Steel	102lbs.
Hastelloy C	112lbs.	Cast Iron	112lbs.

Materials of Construction, Non-Wetted Housings

Description	Material
Centre Block	Polpropylene Aluminium or Aluminium, Nickel-Plated or Stainless Steel or Aluminium, Teflon®-Coated
Air Valve	Brass or Brass, Teflon®-Coated Brass, Nickel-Plated or Stainless Steel

Suction Lift Capability

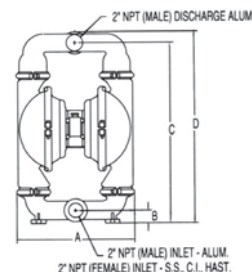
Dry Lift	Primed Lift
20' (6.1m)	25' (7.62m)

The above figures represent rubber-fitted pump capabilities.
Consult your distributor for TPE and/or Teflon®-fitted pump data.

Maximum Diameter Solids
1/4" (6.35mm) Diameter

Elastomer Options

Material	Temperature Limits
Polyurethane	+10 (-12.2) to +150 (65.6) F° (C°)
Neoprene	0 (-17.8) to +200 (93.3) F° (C°)
Buna-N	+10 (-12.2) to +180 (82.2) F° (C°)
Nordel	-60 (-51.1) to +280 (137.8) F° (C°)
Viton	-40 (-40.0) to +350 (176.7) F° (C°)
Saniflex™	-20 (-28.9) to +220 (104.4) F° (C°)
Teflon®	+40 (4.4) to +220 (104.4) F° (C°)
Wil-Flex™	-40 (-40.0) to +225 (107.2) F° (C°)



M15 – 3" Metal Pump



AA00173

Specifications

Materials of Construction, Wetted Housings
(Water Chambers, Inlet/Discharge Manifolds)

Materials	Shp. wt.	Material	Shp. wt.
Aluminum	110lbs.	316 Stainless Steel	165lbs.
Hastelloy C	218lbs.	Cast Iron	181lbs.

Materials of Construction, Non-Wetted Housings

Description	Material
Centre Block	Aluminium or Aluminium, Nickel-Plated or Stainless Steel or Polypropylene
Air Chambers	Aluminium or Aluminium, Nickel-Plated or Stainless Steel or Cast Iron
Air Valve	Brass or Brass, Nickel-Plated or Stainless Steel

Suction Lift Capability

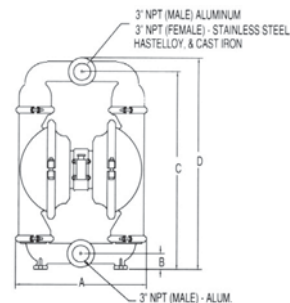
Dry Lift	Primed Lift
17' (5.18m)	25' (7.62m)

The above figures represent rubber-fitted pump capabilities.
Consult your distributor for TPE and/or Teflon®-fitted pump data.

Maximum Diameter Solids
3/8" (9.52mm) Diameter

Elastomer Options

Material	Temperature Limits
Polyurethane	+10 (-12.2) to +150 (65.6) F° (C°)
Neoprene	0 (-17.8) to +200 (93.3) F° (C°)
Buna-N	+10 (-12.2) to +180 (82.2) F° (C°)
Nordel	-60 (-51.1) to +280 (137.8) F° (C°)
Viton	-40 (-40.0) to +350 (176.7) F° (C°)
Saniflex™	-20 (-28.9) to +220 (104.4) F° (C°)
Teflon®	+40 (4.4) to +220 (104.4) F° (C°)
Wil-Flex™	-40 (-40.0) to +225 (107.2) F° (C°)



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