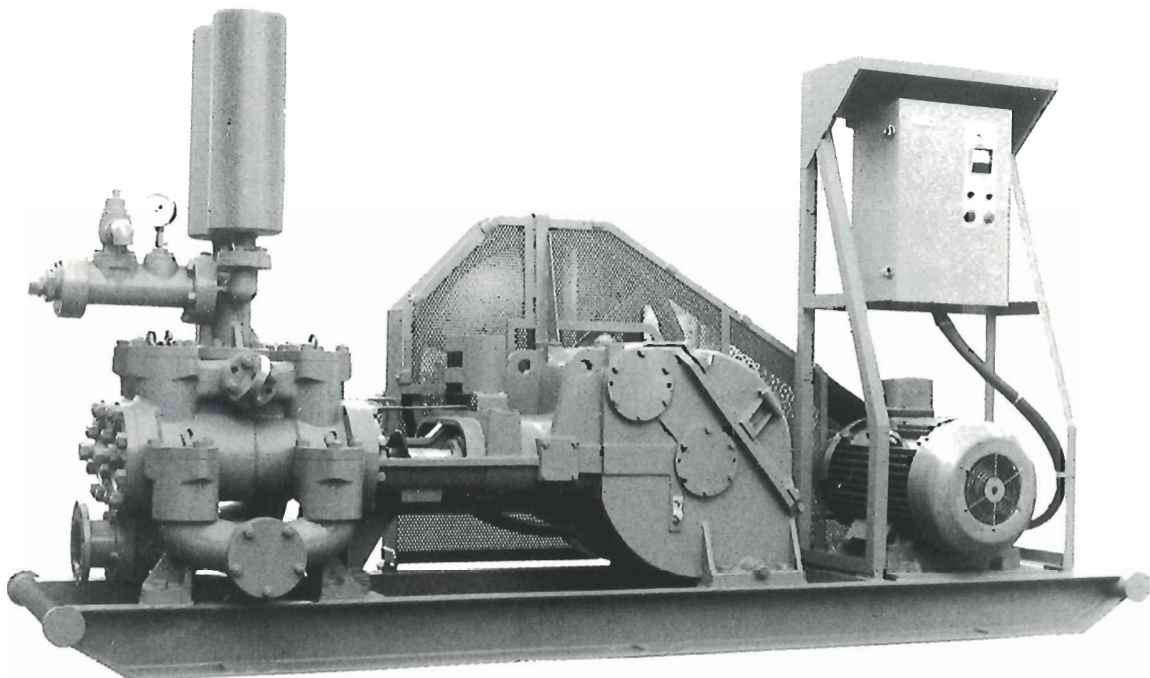


**DRILLING FLUID CIRCULATION &
GROUT PUMP**

NP-1000



NEW "NP" SERIES PUMP DESIGNED FOR WIDER DRILLING
APPLICATIONS IN MINING, WATER WELL AND CONSTRUCTION
FIELDS REQUIRING HIGH PRESSURE AND LARGER DISCHARGE
VOLUME



TOA-TONE BORING CO., LTD.

3-7, Roppongi 7-chome, Minato-ku, Tokyo 106-0032, Japan
<http://www.toa-tone.co.jp>

SPECIFICATIONS FOR NP-1000 PUMP (STANDARD TYPE)

TYPE Duplex double acting piston.

CYLINDER BORE (MM)	165 (6-1/2")		152 (6")		140 (5-1/2")		127 (5")		114 (4-1/2")	
DISCHARGE VOLUME (L/MIN)	1,050	865	890	730	740	610	605	500	480	395
MAX. PRESSURE (KG/CM ²)	24	29	28	34	34	41	34	50	52	63
NO. OF STROKES	85	70	85	70	85	70	85	70	85	70
REVOLUTION OF DRIVING SHAFT (RPM)	420	345	420	345	420	345	420	345	420	345

LENGTH OF STROKE (MM) 150

TYPE OF VALVE Conical

SUCTION HOSE SIZE (MM) 125

DELIVERY HOSE SIZE (MM) 75 or 65

POWER UNIT (For electric motor) 55 KW-4P
(For diesel engine) 90 – 105 PS

WEIGHT (KG) APPROX. 2,700 without power unit.

DIMENSIONS (WITH ELECTRIC MOTOR) 3,770(L) × 950(W) × 1,905(H)

SPECIFICATIONS FOR NP-1000T PUMP (TRANSMISSION TYPE)

CYLINDER BORE		165 (6-1/2")				152 (6")				140 (5-1/2")				127 (5")				114 (4-1/2")			
REVOLUTION OF DRIVING SHAFT		420		345		420		345		420		345		420		345		420		345	
DISCHARGE (Q) & PRESSURE (P)		Q (l/min)	Pmax (kg/cm ²)	Q	Pmax	Q	Pmax	Q	Pmax	Q	Pmax	Q	Pmax	Q	Pmax	Q	Pmax	Q	Pmax	Q	Pmax
GEAR SHIFT OF TRANSMISSION	5	1,050	24	865	29	890	28	730	34	740	34	610	41	605	41	500	50	480	52	395	63
	4	710	29	590	29	600	34	500	34	500	41	415	41	405	50	340	50	325	63	270	63
	3	470	29	395	29	400	34	330	34	330	41	275	41	270	50	225	50	215	63	180	63
	2	275	29	230	29	230	34	195	34	190	41	160	41	155	50	130	50	125	63	105	63
	1	175	29	145	29	145	34	125	34	120	41	100	41	100	50	85	50	80	63	65	63



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