

COMBO PUMP 501 SERIES 100~200 HP Unit

High Capacity Ultra-high Pressure Waterjet Unit

Powerful & cost-effective solution for Shipyard /Construction industries



The COMBO Pump 501 series are built for the most heavy and tough work, because our coating contractor experience in repair shipyard over 30 years already proved the ordinary pump for ordinary work cannot stand the tough field condition.

Our pump design is the simplicity itself and all pressure components are made of high strength material with special treatment to make the most durable performance under rugged field condition.

Pump fluid end design must be very simple to minimize its maintenance and maximize the lifespan of pressure parts.

The key point to perform dependable service even under tough field condition is to build simple fluid end design, perfect alignment of power end and strong unit component arrangement.

STANDARD FEATURES

Control Panel

Engine unit - Metering gauges, Start key,
Warning alarms

Motor unit - Motor starter, Operation S/W,
Warning lamps

Safety Control System

Engine unit - Water level S/W, Engine temp'
and Pressure warning

Motor unit - Pressure S/W, Pressure Control Valve

Power Transmission

Engine unit - Hydraulic clutch with reduction gear

Motor unit - Heavy duty timing belt

Durable Power End & Fluid End

Cast iron power frame

Heavy duty taper roller bearing

Forged and heat-treated alloy crankshaft

High efficiency In-line valve and T/C plunger

Long-lasting self-adjust packing & seal

Suction & Discharge Plumbing

Stainless steel water tank and piping

#100 Strainer and Fiber bag filter(10/5/1 microns)

Large volume Boost pump

Power end L/O cooler

Suction and discharge Pressure gauge

Unit Frame Type

Skid, Enclosure, Trailer House, Skid Canopy



BC TAECHANG INDUSTRIAL CORP.

SPECIFICATION

Stroke : 88.9mm

FLOW RATE (ltr/Min)	POWER RATING (HP)				PLG DIA. (mm)	PUMP RPM
	75	100	150	200		
	MAX. PRESSURE (Bar)					
21	1460	1940	2800		16	400
24	1270	1700	2550			450
26	1180	1570	2360			500
30	1020	1360	2040	2720		560
27	1130	1510	2200		18	400
30	1020	1360	2040			450
33	920	1230	1850			500
37	820	1100	1650	2200		560
30	1020	1360	1970		19.05	400
34	900	1200	1800			450
37	820	1100	1650			500
42	730	970	1460	1940		560
33	920	1230	1790		20	400
37	820	1100	1650			450
41	740	990	1490			500
46	660	880	1330	1770		560
41	740	990	1450		22.22	400
46	660	880	1330			450
51	600	800	1200			500
57	530	710	1070	1430		560
54	560	750	1110		25.4	400
60	510	680	1020			450
67	450	610	910			500
75	400	540	810	1090		560

FLOW RATE (ltr/Min)	POWER RATING (HP)				PLG DIA. (mm)	PUMP RPM
	75	100	150	200		
	MAX. PRESSURE (Bar)					
68	450	600	870		28.58	400
76	400	530	800			450
85	360	480	720			500
95	320	430	640	860		560
84	360	480	710		31.75	400
94	320	430	650			450
105	290	380	580			500
118	260	340	520	690		560
102	300	400	580		34.93	400
114	260	350	530			450
127	240	320	480			500
143	210	280	420	570		560
121	250	330	490		38.1	400
136	220	300	450			450
151	200	270	400			500
170	180	240	360	480		560
153	200	260	390		42.86	400
173	170	230	350			450
192	150	210	310			500
215	140	190	280	380		560
189	160	210	310		47.63	400
213	140	190	280			450
237	120	170	250			500
265	110	150	230	300		560
216	140	180	270		50.8	400
243	120	160	250			450
270	110	150	220			500
302	100	130	200	270		560

STANDARD TOOLS

Gun, Rotary and Nozzle

Dry-shut control Gun
Dump trigger Gun
RJ3501 self-rotary Nozzle
Aqua-Blast(Mount to Cherry picker)
Straight and Fanjet Nozzle

Pressure Valve & Manifold

Multi-mode Tumble Box
Multi-Gun Valve
Bypass Valve
Flow Divider

Safety device & Connector

Gaiter, Overall Protective Suit
Hose Arrestor / Safety Belt
Hose Connector

