

# COMBO PUMP 301 SERIES 50~100 HP Unit

## Heavy Duty Grade Ultra-high Pressure Waterjet Unit

Ultimate Solution for Ship's own maintenance and medium-sized shipyard



Standard Unit



Enclosure Unit

The COMBO Pump 301 series are specially designed for single gun use to do cleaning, derusting and paint stripping jobs at medium working area.

COMBO 301 unit has the very good arrangement without complicate operation, multi-gun valve configuration and air-driven blasting gun system. Especially, the electric driven unit gives the convenience to prepare and work in small area.

### 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 temperature  
and Pressure warning  
Motor unit - Pressure S/W,  
Pressure Control Valve  
Suction and discharge Pressure Gauge  
Rupture disc Assy (Option)

#### Power Transmission

Engine unit - Hydraulic clutch  
with reduction gear  
Motor unit - Heavy duty timing belt

#### Durable Power End and 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 and seal

#### Suction and Discharge Plumbing

Stainless steel water tank and piping  
#100 Strainer and 5 Micron cartridge filter  
Large volume Boost pump  
Power end L/O cooler  
Suction and discharge Pressure gauge

#### Unit Frame Type

Skid, Enclosure, Mobile Casters,  
Trailer House, Skid Canopy



## DERUSTING GRADE COMPARISON



## STANDARD TOOLS



### Gun, Rotary and Nozzle

Dump Trigger Gun with Self-rotary  
Straight Nozzle with Holder

### Pressure Valve and Manifold

UHP Dump Tumble Box  
UHP Bypass Valve

### Safety device and Connector

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

## SPECIFICATION

Stroke : 60mm

FLOW RATE (ltr/Min)	POWER RATING(HP)			PLG DIA. (mm)	PUMP RPM
	50	75	100		
	MAX. PRESSURE(Bar)				
10	2040	2800		12	500
11	1850	2780			560
12	1700	2550			600
13	1570	2360	2800		650
14	1460	2000		14.26	500
16	1270	1910			560
17	1200	1800			600
18	1130	1700	2270		650
18	1130	1580		16	500
20	1020	1530			560
21	970	1460			600
23	880	1330	1580		650
22	920	1250		18	500
25	810	1220			560
27	750	1130			600
29	700	1050	1250		650
28	730	1010		20	500
31	650	980			560
33	610	920			600
36	560	850	1010		650
34	600	820		22.22	500
39	520	780			560
41	490	740			600
45	450	680	820		650
45	450	630		25.4	500
51	400	600			560
54	370	560			600
59	340	520	630		650

