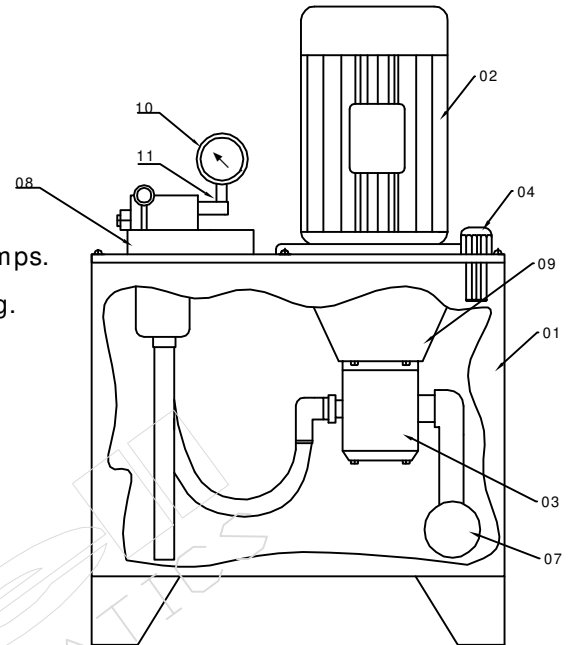




Hydraulic Power Pack modular system

- Powerpack building using standard assemblies.
- Oil Tank capacity:30 litres to 200 litres.
- Submerged Pump.
- Electric motor 1-phase x 2.2 kw and
- Electric motor 3-phase to 30 kw.
- Hydraulic System with Gear pump, Vnpump & Piston pumps.
- Hydraulic Circuit building-Horizontal or Vertical Stacking.
- Design as per customer specification.
- 100% Functional testing.
- Tanks Shot blasted and primerd and painted.



DESCRIPTION

THE BELL POWER PACKS ARE STANDARD DESIGN TO UTILISE A STANDARD RANGE OF

MODULAR COMPONENTS THIS OFFERS A POWER PACK THAT CAN BE EASILY SPECIFIED AND MAINTAINED.

DESIGN

OIL TANK (STEEL) 30,50,75,100,100,200 LTR

GEAR PUMPS

Pressure 0 to 200 bar

Flow up to 100 ltr/min

Suction Filter 25 micron

Submerged Pump

Cetop Subplate options

1 phase to 3kW

3 phase to 30kW

QUALITY

100% FUNCTIONAL TESTING

TANKS WITH SHOT BLASTED

PRIMERED & PAINTED FINISH

MOTORS IEC FRAMES B% IP55



ORDERING CODE



BHS - M - KW - 6C - V - P - 3 - 30T - D - XXXX

TYPE

Motor Type
 M = 230V;1 Ph
 T = 415V 3ph
 O = None

Motor Power

E = 0.75kw
 F = 1.1kw
 G = 1.5kw
 H = 2.2kw
 I = 3.0kw
 J = 4.0kw
 K = 5.5kw
 L = 7.5kw
 M = 11kw
 N = 15kw
 O = 18.5kw
 P = 22kw
 Q = 30kw

PUMP SIZE

PAGE 4

ORIENTATION

V = VERTICAL

Bell

ACCESSORIES (OPTIONAL)

Low Level Oil Switch = L
 Thermostat = T
 Air blast Cooler = A
 Oil/Water cooler = W
 Hand pump = P
 Drain Port Boss 3/4" = D
 Heater = H
 None = N

TYPE OF RESERVOIR

30 Liter
 50 Liter
 75 Liter
 100 Liter
 200 Liter

ADDITIONAL Cetop Plate

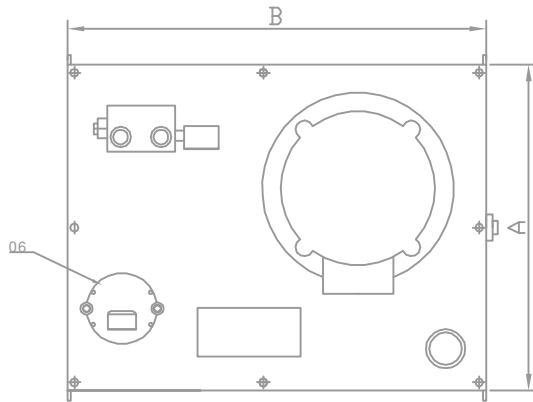
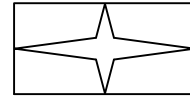
NG6 Cetop 03 (40 lpm max) = 3
 NG10 Cetop 05 (80 lpm max) = 5
 None = N

MANIFOLD BASE PLATES = P
 P-T BSP Ports With relief Valve

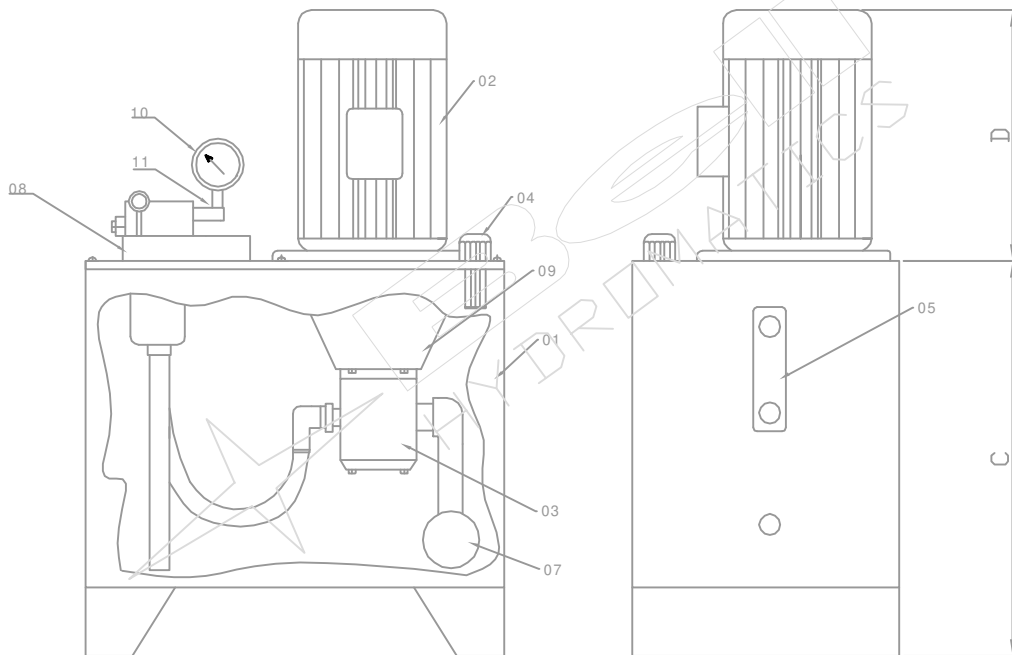
**VALIDITY OF ALL SPECIFICATIONS AND ORDERS CODES
 MUST BE CONFIRMED WITH Bell Fluidtechnics Pvt Ltd SALES
 DEPARTMENT**

MOTOR SELECTION

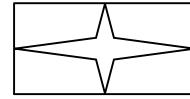
Motor Power	Frame	Height "D"±10
E = 0.75kw	80b	250mm
F = 1.1kw	90S	264mm
G = 1.5kw	90L	288mm
H = 2.2kw	100La	322mm
I = 3.0kw	100Lb	322mm
J = 4.0kw	112M	353mm
K = 5.5kw	132S	380mm
L = 7.5kw	132Ma	421mm
M = 11kw	160M	496mm
N = 15kw	160L	496mm
O = 18.5kw	180M	539mm
P = 22kw	180L	539mm
Q = 30kw	200L	577mm



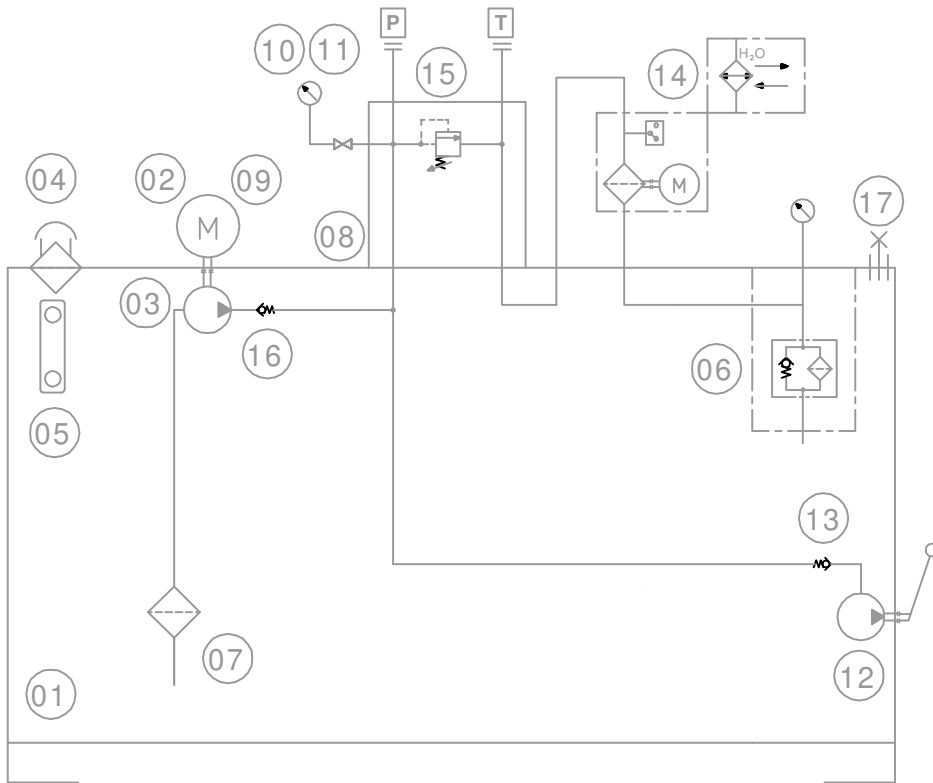
- 01 TANK
- 02 ELECTRIC MOTOR
- 03 PUMP
- 04 FILLER BREATHER
- 05 LEVEL GAUGE
- 06 RETURN LINE FILTER
- 07 SUCTION STRAINER
- 08 MANIFOLD BASE PLATE
- 09 BELL HOUSING & COUPLING
- 10 PRESSURE GAUGE
- 11 GAUGE ISOLATOR



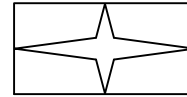
TANK	A	B	C	PUMP SIZE cc/rec (liter/minutr)	MOTOR SIZE (kw)
30 liter	470 mm	375 mm	310 mm	from 3.15cc(4.5 lpm) To 14cc (20.3 lpm)	from 1.1kw to 4kw
50 liter	600 mm	470 mm	370 mm	from 6.33cc(9.1 lpm) To 22cc (31 lpm)	from 2.2kw to 7.5kw
75 liter	600 mm	470 mm	460 mm	from 12cc(17.4 lpm) To 32cc (46 lpm)	from 4kw to 7.5kw
100 liter	675 mm	520 mm	510 mm	from 12cc(17.4 lpm) To 36cc (52 lpm)	from 4kw to 22kw
200 liter	805 mm	620 mm	560 mm	from 20cc(29 lpm) To 60cc (87 lpm)	from 7.5kw to 30kw



Hydraulic Circuit



- 01 TANK
- 02 ELECTRIC MOTOR
- 03 PUMP
- 04 FILLER BREATHER
- 05 LEVEL GAUGE
- 06 RETURN LINE FILTER
- 07 SUCTION STRAINER
- 08 MANIFILD BASE PLATE
- 09 BELL HOUSING & COUPLING
- 10 PRESSURE GAUGE
- 11 GAUGE ISOLATOR
- 12 HAND PUMP (OPTIONAL)
- 13 CHECK VALVE (OPTIONAL)
- 14 AIR OIL OR WATER OIL COOLER (OPTIONAL)
- 15 PRESSURE RELIEF VALVE
- 16 CHECK VALVE
- 17 DRAIN PORT



PUMP SELECTION

Pump No	Displacement cc/ rev	Flow at 1450rpm liters/ minute	Max Pressure bar
1C	1	1.45	250
2C	1.25	1.8	250
3C	1.6	2.3	250
4C	2.0	2.9	250
5C	2.5	3.6	250
6C	3.15	4.5	250
7C	3.65	5.3	250
8C	4.2	6.1	250
9C	5.0	7.2	250
10C	6.1	8.8	200
11V	9.8	14.2	180
20C	6.3	9.1	250
21C	8.2	11.8	250
22C	10	14.5	250
23C	11.3	16.4	250
24C	12	17.4	250
25C	14	20.3	250
26C	15 2	1.7	250
27C	16	23.2	250
28C	19	27.5	200
29C	22	31	180
30C	20	29	250
31C	25	36	250
32C	28	40	250
33C	32	46	250
34C	36	56	250
35C	42	60	230
36C	46	66	230
37C	50	72	200
38C	55	79	200
39C	60	87	180

