
CRYOGENIC TANK SERVICES (CTS) DATA SHEET

DHDA Series Air Operated Hydrostatic Test Pumps / Power Pack

Air operated, double acting hydraulic pumps for pressure testing, chemical injection and hydraulic power.

Features

- Infinitely variable output pressure and flow
- Will hold static pressure without generating heat or consuming power.
- Standard models are suitable for oil or water applications
- Well proven and trouble free operation
- Designed with the maintenance engineer in mind
- Low cost servicing
- Robust construction

Air consumption

200 scfm maximum (5665 N.Ltr/M)

Overall Dimensions

28" x 24" x 32" high (711mm x 610mm x 813mm high)

Approximate Weight

290 lb (133 Kg)

Standard equipment

- Air filter, lubricator, pressure regulator, pressure gauge and pump start/stop valve
- Inlet fluid strainer
- 6" (150mm) dia panel mounted pressure gauge
- Pressure release valve
- All interconnecting pipework and fittings
- Stainless Steel framework with fork lift pockets
- Pressure isolation valve
- Lifting Handles





DHDA SERIES PERFORMANCE CHARTS

Approximate rate of discharge at air drive 100PSI (7 bar)

OUTPUT PRESSURE		DHDA 33		DHDA 66		DHDA 118	
PSI	BAR	Ins ³ /Min	Ltr/Min	Ins ³ /Min	Ltr/Min	Ins ³ /Min	Ltr/Min
0	0	1934	31.7	992	16.3	558	9.1
1000	69	1497	24.5	816	13.4		
2000	138	1216	19.9	768	12.6		
3000	206	967	15.8	672	11.0	440	7.2
4000	276	748	12.3	624	10.2		
5000	345	592	9.7	560	9.2	378	6.2
6000	414	405	6.6	496	8.1		
8000	552	-	-	384	6.3		
10000	690	-	-	304	5.0	297	4.8
12000	828	-	-	208	3.4		
14000	965	-	-	-	-	216	3.5
17500	1207	-	-	-	-	171	2.8
21000	1448	-	-	-	-	117	1.9

MODEL	RAM DIAMETER		OUTPUT/ CYCLE	
	Ins	mm	Ins ³	cc
DHDA 33	1.750	44.45	15.6	255.7
DHDA 66	1.250	31.75	8.0	131.1
DHDA 118	0.9375	23.81	4.5	73.8

Typical hydraulic pressure - static condition

MODEL	AIR DRIVE PSI (BAR)	20 (1.4)		40 (2.8)		60 (4.1)		80 (5.5)		100 (6.9)	
		PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR
DHDA 33	HYDRAULIC PRESSURE	1346	93	2692	186	4036	278	5382	371	6728	464
DHDA 66		2660	183	5320	367	7980	550	10640	734	13300	917
DHDA118		4740	327	9477	654	14215	980	18955	1307	23695	1634