

The Prime Hydraulic Tube Expansion System supplied with hydraulic drive incorporates the latest state of the art of Technology resulting in subcompact pump developing 100 bar pressure. The system is mounted on four wheels for onsite maneuverability. Expansion of tube is regulated by adjusting pressure setting on pump. Once required amount of wall thinning is achieved the drive trips automatically.

FEATURES

1. Hydraulic Tube Expansion Drive communicates with Power Pack via 24 V DC
2. Control cable. This ensures safety and eliminates electrical Shock Hazard making it most preferred expansion method.
3. Low setup time and ease of operation.
4. Compact design of Power pack and Drive.
5. High consistency in wall thinning of expanded tubes through Precision controls.
6. Reverse phase protection eliminates wrong direction of electric motor.
7. Boiler erections get completed in record time.
8. Silent operation, compact design, long life & low maintenance.
9. Interchangeable Tube expansion drive. Same power pack suitable for all 3 drives to expand 3/4" OD to 4" OD tube.



HYDRAULIC TUBE EXPANSION

	Hydraulic Expansion System Model		
	PHEP - 30	PHEP - 500	PHEP - 1000 Twin Head
Oil Tank Capacity(litres)	30	45	138
Hydraulic oil	SAE 68	SAE 68	SAE 68
Maximum Working Pressure (bar)	100	100	100
Net Weight (Kgs)	80.0	100.0	225.0
Overall Dimension	590x270x985	790x320x985	1787x550x1200
Electric Motor	3HP; Single Phase	5 HP ; 3 Phase	10HP; 3 Phase
Voltage	230V/110V	415V	415 V +/-10%
Standard Hose Size 10 Mtrs Long	1/2"ID	1/2"ID	1/2"ID



EXPANSION DRIVE

TUBE EXPANSION RANGE				DRIVE		DRIVE NO LOAD SPEED (RPM) WITH HEP - 300/500/1000	DRIVE WEIGHT KGS
STEEL TUBE O.D		COPPER TUBE O.D.		MODEL NO.	SQ. SOCKET INCH		
MM	INCH	MM	INCH				
15 - 25	5/8 - 1	25 - 38	1 - 1.1/2	PHED - 3	3/8"	620/954	9.6
19 - 38	3/4 - 1.1/2	32 - 64	1.1/4 - 2.1/2	PHED - 4	3/8" & 1/2"	350/480	9.7
38 - 76	1.1/2 - 3	50 - 102	2 - 4	PHED - 5	1/2" - 3/4"	62/84	11.0
50 - 102	2 - 4	-	-	PHED - 6	3/4" - 1"	40/62/54	11.50

NOTE: DRIVE SUPPLIED WITH START, STOP, REVERSE BUTTONS, QUICK RELEASE COUPLINGS, SOCKETS AND REACTION BAR. POWER PACK INCLUDES 2 HOSES EACH OF LENGTH 10 MTRS. IF REQUIRED LONGER HOSES CAN BE SUPPLIED.