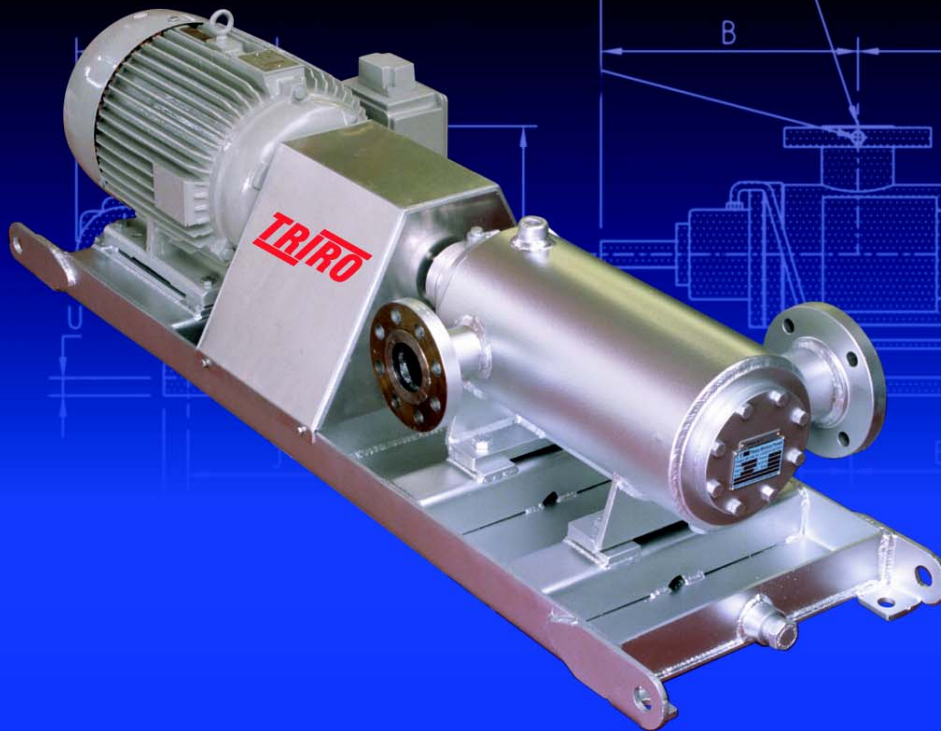


# Plenty Mirrlees Pumps

THE HEART OF THE SYSTEM



**TRIRO**

Range: 0 - 75 Bar  
Models: H25-6 to H100-6

## THREE SCREW PUMP

### Specification

Body cast or fabricated steel, sleeve in cast iron.

Screwset, power rotor of carbon steel and idlers of high grade iron, all tuffrided hardened.

Mechanical Seal fitted as standard.

Easily adjusted Relief Valve can be fitted to the pump body.

Suction & Discharge flanged to ASA or DIN specification.

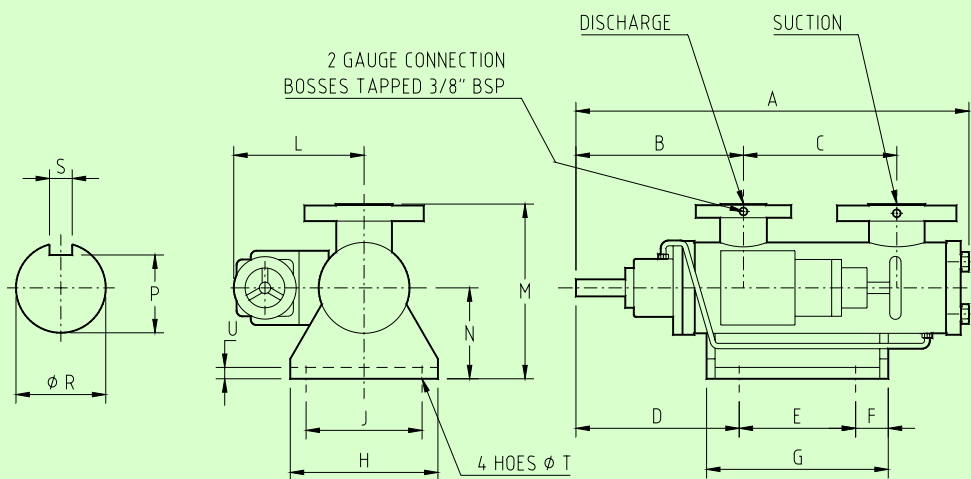
Horizontal, vertical & flange mounting, tank top mounting arrangements all available.

Most major petroleum specifications catered for i.e. API610, API614, API676 etc.

### Principal Characteristics

- **SILENT**
- **VIBRATION FREE**
- **PULSE FREE OPERATION**
- **HIGH SUCTION LIFT**
- **MECHANICAL SEAL OPTIONS**
- **INTEGRAL RELIEF VALVE OPTION**
- **VERSATILE INSTALLATION**
- **PRECISION BUILT**
- **HIGH EFFICIENCY**
- **STEEL BODY CONSTRUCTION**
- **CUSTOMISED TO YOUR SPECIFICATION**

# DIMENSIONS H25-6 TO H100-6 HORIZONTAL FOOT MOUNTED



FLANGES TO BST, DIN OR ANSI CAN BE SUPPLIED

Pump Size	A	B	C	D	E	F	G	H	J	L	M	N	P	R	S	T	U	Discharge	Suction
25-6	439	187	171	183	130	37	203	165	130	171	195	102	16.662	19.05	4.763	14	16	1.25"	1.25"
													16.637	19.037	4.737				
32-6	553	237	216	231	171	35	241	181	140	152	235	127	21.742	25.4	6.35	14	16	1.5"	2"
													21.717	25.387	6.325				
38-6	590	236	248	219	200	49	298	203	171	178	286	162	23.419	27.990	7.938	14	19	1.5"	2"
													23.393	27.978	7.912				
45-6	652	254	289	240	241	51	343	203	159	210	302	162	25.629	30.163	7.938	19	21	2"	3"
													25.603	30.15	7.912				
52-6	763	300	335	278	241	51	343	248	203	200	356	191	29.489	34.925	9.525	22	21	2.5"	3"
													29.464	34.912	9.5				
60-6	884	343	394	292	356	51	458	292	241	250	381	203	29.489	34.925	9.525	22	22	3"	4"
													29.464	34.912	9.5				
70-6	935	342	467	393	356	57	457	330	254	305	457	229	38.125	44.45	11.113	26	16	3"	4"
													38.1	44.437	11.074				
80-6	1105	387	556	394	406	76	559	381	305	403	559	279	42.316	47.635	12.7	25	32	4"	5"
													42.266	47.62	12.662				
90-6	1220	467	578	467	457	64	584	381	305	406	548	280	45.0	50.812	16.0	25	16	5"	6"
													44.8	50.793	15.957				
100-6	1355	508	635	483	508	76	660	483	406	448	660	330	50.546	57.16	15.875	28	38	6"	7"
													50.394	57.142	15.85				

(Approximate dimensions only. Certified drawings supplied with order)

## PERFORMANCE DATA

Pump Size	Speed		Normal Lead						Short Lead					
			20 cSt		150 cSt		750 cSt		20 cSt		150 cSt		750 cSt	
			20 Bar	40 Bar	20 Bar	40 Bar	20 Bar	40 Bar	20 Bar	40 Bar	20 Bar	40 Bar	20 Bar	40 Bar
25-6	1450	L/Min	9.9	5.6	16.3	14.7	18.4	17.7	7.0	X	12.5	11.2	14.3	13.7
		kW	0.7	1.4	0.8	1.6	1.0	1.8	0.6	X	0.7	1.2	0.8	1.4
32-6	1450	L/Min	26.2	19.5	36.4	33.9	39.8	38.7	19.7	14.0	28.4	26.3	31.3	30.3
		kW	1.6	3.0	1.8	3.3	2.1	3.7	1.3	2.4	1.4	2.6	1.7	2.9
38-6	1450	L/Min	47.6	38.1	62.0	58.4	66.7	65.1	37.2	29.1	49.4	46.4	53.4	52.1
		kW	2.6	4.9	2.9	5.4	3.5	6.2	2.0	3.9	2.4	4.4	2.8	4.9
45-6	1450	L/Min	85.9	72.5	106	101	112	110	66.9	55.6	84.1	79.8	89.7	87.8
		kW	4.4	8.3	4.9	9.1	5.8	10.3	3.3	6.6	3.9	7.2	4.7	8.2
52-6	1450	L/Min	138	120	165	158	174	171	108	93.5	131	125	139	136
		kW	6.4	12.8	7.5	13.9	9	15.8	5.1	10.2	6.0	11.1	7.2	12.6
60-6	1450	L/Min	219	194	257	248	270	266	172	151	204	196	215	212
		kW	10.2	19.3	11.6	21.5	13.9	24.4	8.2	15.8	9.3	17.2	11.1	19.5
70-6	1450	L/Min	363	329	414	402	431	426	286	258	380	319	344	339
		kW	15.6	30.6	18.4	34.1	22.0	38.8	12.5	24.5	14.8	27.3	17.6	31.0
80-6	1450	L/Min	554	510	620	603	642	634	438	401	494	480	512	506
		kW	24.0	46.5	27.3	50.5	32.7	57.4	19.4	36.3	21.9	40.4	26.1	46
90-6	1450	L/Min	803	745	891	869	920	914	632	583	707	688	732	723
		kW	34.3	66.4	39.1	72.3	47	82.2	27.4	53	31.1	57.6	37.2	65.5
100-6	1450	L/Min	1121	1050	1228	1202	1264	1252	882	822	974	951	1004	994
		kW	45.3	91.1	53.5	99.1	64	112.7	36.1	72.5	42.6	78.8	50.9	89.7

NOTE: These pumps have been selected running at 1450 RPM (4 pole). For 2900 RPM (2 pole), please refer to Plenty Ltd.

Pumps can also be selected for 60 Hz motor supply.

These are typical performances figures used as examples only. Full data for performance at other viscosities and pressures available on request.

Operation Three screw pump with one, central, power driven rotor intermeshing with idler rotors, balanced and machined to effect a seal for the liquid being pumped.

## Plenty Mirrlees Pumps

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