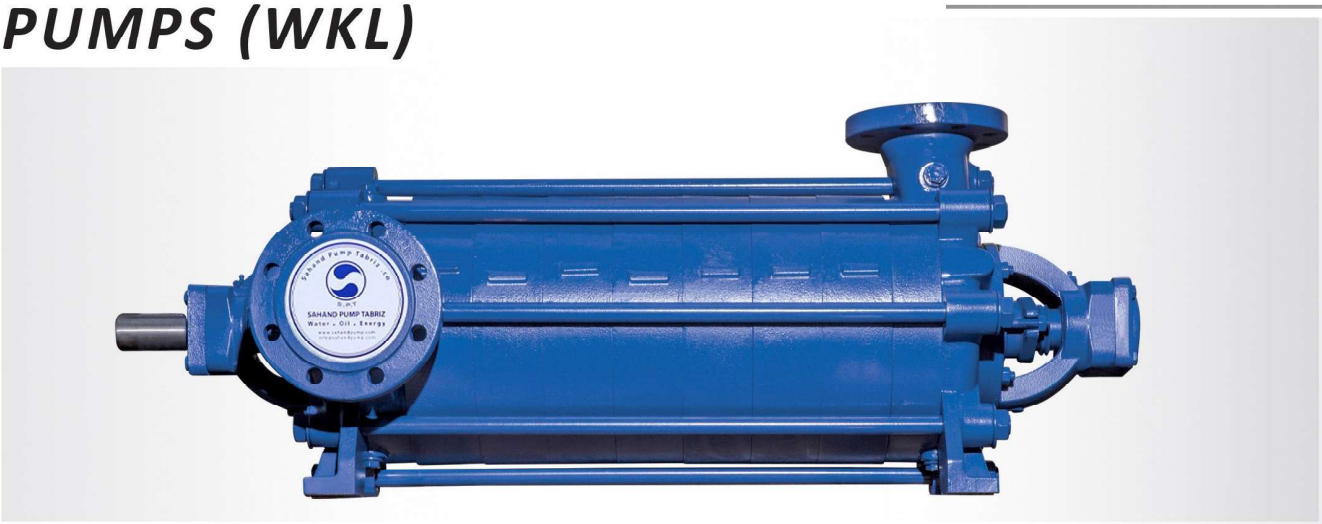
HIGH PRESSURE CENTRIFUGAL STAGE PUMPS (WKL)



CONSTRUCTION:

Horizontal high pressure centrifugal pump with between bearings impellers, separately coupled, multistage, radial split cases. The individual casing parts are sealed by O-ring or flat gasket and are clamped together by external tie bolt.

The pump feet are cast integrally with the suction and discharge casings and are arranged beneath the pump. Radial and axial forces on shaft are supported by two grease lubricated deep groove ball bearings on two sides of impellers.

APPLICATION:

For municipal and industrial water supply in water works, pressure boosting installation, irrigation sprinkler plants, as boiler feed pumps, condensate pumps, cooling water and hot water circulation pumps and fire pumps.

PUMP SPECIFICATIONS:

Output size:	32 to 150 mm
Capacity:	2 to 440 m^3/h
Head:	UP to 300 m
Operating temperature with:	
Soft packing box from	10°C to 110°C
Mechanical seal from	-10°C to 140°C

pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		6	5	4	3	2				12	10	8	6	4							
32.1a		-	-	-	-	-	-	-		-	19	23	25	27	1.5	2	135			36	515*293*292
32.1		4	5	6	7	8	0.25	0.34		18	22	25	27	29	2.2	3	140			36	515*293*292
32.2a		-	9	10.5	12	134	0.37	0.5		-	39	46	51	54	3	4	135			44	263*293*292
32.2		-	-	-	-	-	-	-		32	44	51	55	58	4	5.5	140			44	563*293*292
32.3a		-	13	16	18	19	0.55	0.75		-	49	60	69	74	4	5.5	130			52	611*293*292
32.3		-	-	-	-	-	-	-		54	66	76	83	87	5.5	7.5	140			52	611*293*292
32.4a		-	18	21	24	26	0.75	1		-	-	-	-	-	-	-	-			60	755*293*292
32.4										72	89	101	110	116	7.5	10	140			60	755*293*292
32.5a		-	-	-	-	-	-	-		-	97	115	127	135	7.5	10	135			68	707*293*292
32.5		23	28	31	34	36	1.1	1.5		90	111	127	138	145	11	15	140			68	707*293*292
32.6		27	33	38	41	44	1.5	2		108	133	152	166	174	11	15	140			76	755*293*292
32.7	Head (m)	32	39	44	48	51	1.5	2	Head (m)	127	155	178	193	203	11	15	140	40mm	32mm	84	803*293*292
32.8		36	44	50	55	58	2.2	3		145	178	203	221	232	15	20	140			92	851*293*292
32.9		41	50	57	62	66	2.2	3		163	200	229	249	261	15	20	140			100	899*293*292
32.10a		-	-	-	-	-	-	-		-	195	230	255	270	15	20	135			108	947*293*292
32.10		45	55	63	69	73	2.2	3		181	222	254	277	291	18.5	25	140			108	947*293*292
32.11		50	61	69	76	80	2.2	3		-	-	-	-	-	-	-	-			116	995*293*292
32.12		55	66	76	83	88	3	4		-	-	-	-	-	-	-	-			124	1043*293*292
32.13		59	72	82	90	95	3	4		-	-	-	-	-	-	-	-			132	1091*293*292
32.14		64	77	88	97	102	3	4		-	-	-	-	-	-	-	-			140	1139*293*292
32.15		69	83	94	103	109	3	4		-		-	-		-	-	-			148	1187*293*292
32.16		73	88	101	110	117	4	5.5		-	-	-	-	-	-	-	-			156	1235*293*292
32.17		78	94	107	117	124	4	5.5		-	-	-	-	-	-	-	-			164	1283*292*292

HIGH PRESSURE CENTRIFUGAL STAGE PUMPS (WKL)

pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		12	10	8	6	4				24	20	16	12	8							
40.1	Head (m)	6	8	9	10	11	0.55	0.75	Head (m)	26	23	37	40	42	4	5.5	170	50mm	40mm	43	515*320*312
40.2a		-	-	-	-	-	-	-		-	58	69	76	79	7.5	10	165			52	563*320*312
40.2		12	16	19	20	21	1.1	1.5		52	67	75	81	84	11	15	170			52	563*320*312
40.3a		-	-	-	-	-	-	-		-	84	101	113	117	11	15	165			61	611*320*312
40.3		19	24	28	31	32	2.2	3		78	101	112	122	126	15	20	170			61	611*320*312
40.4a		-	-	-	-	-	-	-		-	116	138	152	159	15	20	165			70	659*320*312
40.4		25	32	38	41	42	2.2	3		104	135	150	162	168	18.5	25	170			70	659*320*312
40.5a		-	-	-	-	-	-	-		-	145	172	190	197	18.5	25	165			79	707*320*312
40.5		32	40	47	51	53	3	4		131	169	188	203	210	22	30	170			79	707*320*312
40.6a		-	-	-	-	-	-	-		-	175	208	229	239	22	30	165			88	755*320*312
40.6		38	48	56	61	63	3	4		157	202	225	244	252	22	30	170			88	755*320*312
40.7		44	57	66	72	74	4	5.5		183	236	263	285	295	30	40	170			97	803*320*312
40.8		51	65	75	82	84	4	5.5		-	-	-	-	-	-	-	-			106	851*320*312
40.9		57	73	85	92	95	5.5	7.5		-	-	-	-	-	-	-	-			115	899*320*312
40.10		63	81	94	102	105	5.5	7.5		-	-	-	-	-	-	-	-			124	947*320*312
40.11		69	89	104	113	116	7.5	10		-	-	-	-	-	-	-	-			133	995*320*312
40.12		76	97	113	123	126	7.5	10		-	-	-	-	-	-	-	-			142	1043*320*312
40.13		82	105	123	133	137	7.5	10		-	-	-	-	-	-	-	-			151	1091*320*312
40.14		88	113	132	144	148	11	15		-	-	-	-	-	-	-	-			160	1139*320*312
40.15		99	121	142	154	158	11	15		-	-	-	-	-	-	-	-			169	1187*320*312
40.16		101	129	151	164	169	11	15		-	-	-	-	-	-	-	-			179	1235*320*312

pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		27	22	17	12	7				49	41	33	25	17							
50.1a	Head (m)	-	-	-	-	-	-	-	Head (m)	-	21	26	30	33	4	5.5	150	65mm	50mm	60	578*320*315
50.1		6	7	8	9	10	1.1	1.5		25	30	33	36	38	7.5	10	165			60	578*320*315
50.2a		-	-	-	-	-	-	-		39	48	56	62	66	11	15	155			69	633*320*315
50.2		11	14	16	18	19	2.2	3		50	60	67	72	76	15	20	165			69	633*320*315
50.3		17	21	24	17	29	3	4		76	90	100	108	114	18.5	25	165			78	688*320*315
50.4a		-	-	-	-	-	-	-		76	96	112	124	132	22	30	155			87	743*320*315
50.4		23	28	33	36	38	4	5.5		101	120	133	144	151	30	40	165			87	743*320*315
50.5		28	36	41	45	48	4	5.5		126	149	166	179	189	30	40	165			96	798*320*315
50.6		34	43	49	54	57	5.5	7.5		151	179	200	215	227	37	50	165			105	853*320*315
50.7		39	50	58	63	67	5.5	7.5		163	196	221	241	254	37	50	165			114	908*320*315
50.8		45	57	66	72	77	7.5	10		-	-	-	-	-	-	-	-			123	963*320*315
50.9		51	64	74	81	83	7.5	10		-	-	-	-	-	-	-	-			132	1018*320*315
50.10		56	71	82	90	96	11	15		-	-	-	-	-	-	-	-			141	1073*320*315
50.11		62	78	90	100	105	11	15		-	-	-	-	-	-	-	-			150	1128*320*315
50.12		68	85	99	108	115	11	15		-	-	-	-	-	-	-	-			159	1183*320*315
50.13		73	92	107	118	124	11	15		-	-	-	-	-	-	-	-			168	1238*320*315
50.14		79	100	115	127	134	11	15		-	-	-	-	-	-	-	-			177	1293*320*315

pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		45	38	31	24	17				80	68	56	44	32							
65.1a	Head (m)	-	-	-	-	-	-	-	Head (m)	-	23	30	35	38	7.5	10	170)175)	80mm	65mm	73	597*350*355
65.1a		-	-	-	-	-	-	-		30	36	41	45	47	11	15	185			73	597*350*355
65.1		7	9	11	12	13	2.2	3		35	40	45	49	51	15	20	192			73	597*350*355
65.2a		-	-	-	-	-	-	-		-	62	72	81	86	18.5	25	180			85	597*350*355
65.2		15	18	21	24	25	4	5.5		69	80	90	97	102	22	30	192			85	597*350*355
65.3a		-	-	-	-	-	-	-		-	103	117	129	137	30	40	185			97	717*350*355
65.3		22	28	32	36	38	5.5	7.5		104	121	136	146	153	37	50	192			97	717*350*355
65.4		30	37	43	48	51	7.5	10		139	161	181	195	204	45	60	192			109	777*350*355
65.5		37	46	54	60	63	11	15		173	201	226	244	255	55	75	192			121	837*350*355
65.6		45	56	65	72	76	11	15		-	-	-	-	-	-	-	-			133	897*350*355
65.7		52	65	76	84	89	15	20		-	-	-	-	-	-	-	-			145	957*350*355
65.8		60	74	86	96	101	15	20		-	-	-	-	-	-	-	-			157	1017*350*355
65.9		67	84	97	108	114	18.5	25		-	-	-	-	-	-	-	-			169	1077*350*355
65.10		75	93	108	120	127	18.5	25		-	-	-	-	-	-	-	-			181	1137*350*355
65.11		82	102	119	132	140	18.5	25		-	-	-	-	-	-	-	-			193	1197*350*355

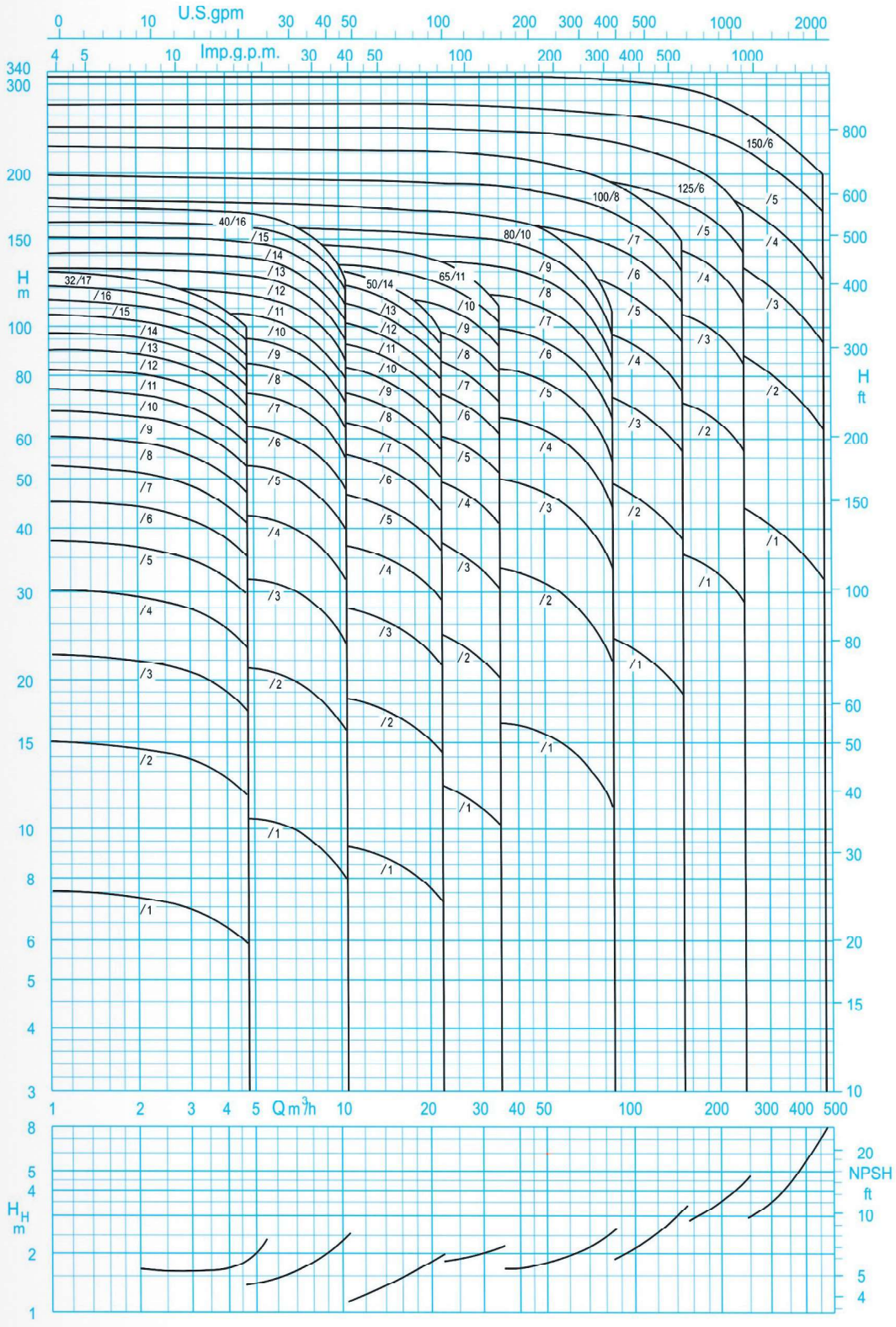
pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		100	80	60	40	20				170	140	110	80	50							
80.1a		-	-	-	-	-	-	-		-	-	36	44	49	18.5	25	180)205)			121	680*470*475
80.1a		-	-	-	-	-	-	-		-	35	45	52	56	22	30	205			121	680*470*475
80.1a		-	-	-	-	-	-	-		35	47	56	63	67	30	40	215			121	680*470*475
80.1		7	11	14	16	18	5.5	7.5		41	51	59	66	70	37	50	220			121	680*470*475
80.2a		-	-	-	-	-	-	-		-	73	93	106	116	45	60	205			156	763*470*475
80.2a		-	-	-	-	-	-	-		64	88	106	120	129	55	75	210			156	763*470*475
80.2		14	24	29	33	36	11	15		81	101	117	131	141	75	100	220			156	763*470*475
80.3a		-	-	-	-	-	-	-		-	120	150	169	184	75	100	210			183	846*470*475
80.3a	Head	-	-	-	-	-	-	-		106	142	168	189	202	90	125	215			183	846*470*475
80.3	(m)	22	34	43	50	55	15	20	Head	121	152	176	197	212	110	150	220	100mm	80mm	183	846*470*475
80.4a		-	-	-	-	-	-	-	(m)	128	176	212	240	258	110	150	210			210	929*470*475
80.4		29	45	57	66	73	18.5	25		-	-	-	-	-	-	-	-			210	929*470*475
80.5		36	56	71	83	91	22	30		-	-	-	-	-	-	-	-			237	1012*470*475
80.6		43	67	86	100	109	30	40		-	-	-	-	-	-	-	-			264	1095*470*475
80.7		50	78	100	116	127	37	50		-	-	-	-	-	-	-	-			291	1178*470*475
80.8		58	90	114	133	146	37	50		-	-	-	-	-	-	-	-			318	1261*470*475
80.9		65	101	129	149	164	45	60		-	-	-	-	-	-	-	-			345	1344*470*475
80.10		72	113	143	166	182	45	60		-	-	-	-	-	-	-	-			372	1427*470*475

pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		200	160	120	80	40				-	-	-	-	-							
100.1		11	17	22	25	27	15	20		-	-	-	-	-	-	-	265			188	770*540*550
100.2		23	35	43	49	53	30	40		-	-	-	-	-	-	-	265			232	870*540*550
100.3		35	52	65	74	80	37	50									265			276	970*540*550
100.4a		42	65	82	95	103	45	60		-	-	-	-	-	-	-	260			320	1070*540*550
100.4		46	70	86	98	104	55	75		-	-	-	-	-	-	-	265			320	1070*540*550
100.5a	Head	50	80	101	117	127	55	75		-	-	-	-	-	-	-	260			364	1170*540*550
100.5	(m)	58	87	108	123	133	75	100	Head	-	-	-	-	-	-	-	265	125mm	100mm	364	1170*540*550
100.6		70	104	130	148	160	75	100	(m)	-	-	-	-	-	-	-	265			408	1270*540*550
100.7a		-	109	140	161	176	75	100		-	-	-	-	-	-	-	260			452	1370*540*550
100.7		81	123	151	172	187	90	125		-	-	-	-	-	-	-	265			452	1370*540*550
100.8a		83	130	165	189	206	90	125		-	-	-	-	-	-	-	260			496	1470*540*550
100.8		93	139	173	197	213	110	150		-	-	-	-	-	-	-	265			496	1470*540*550

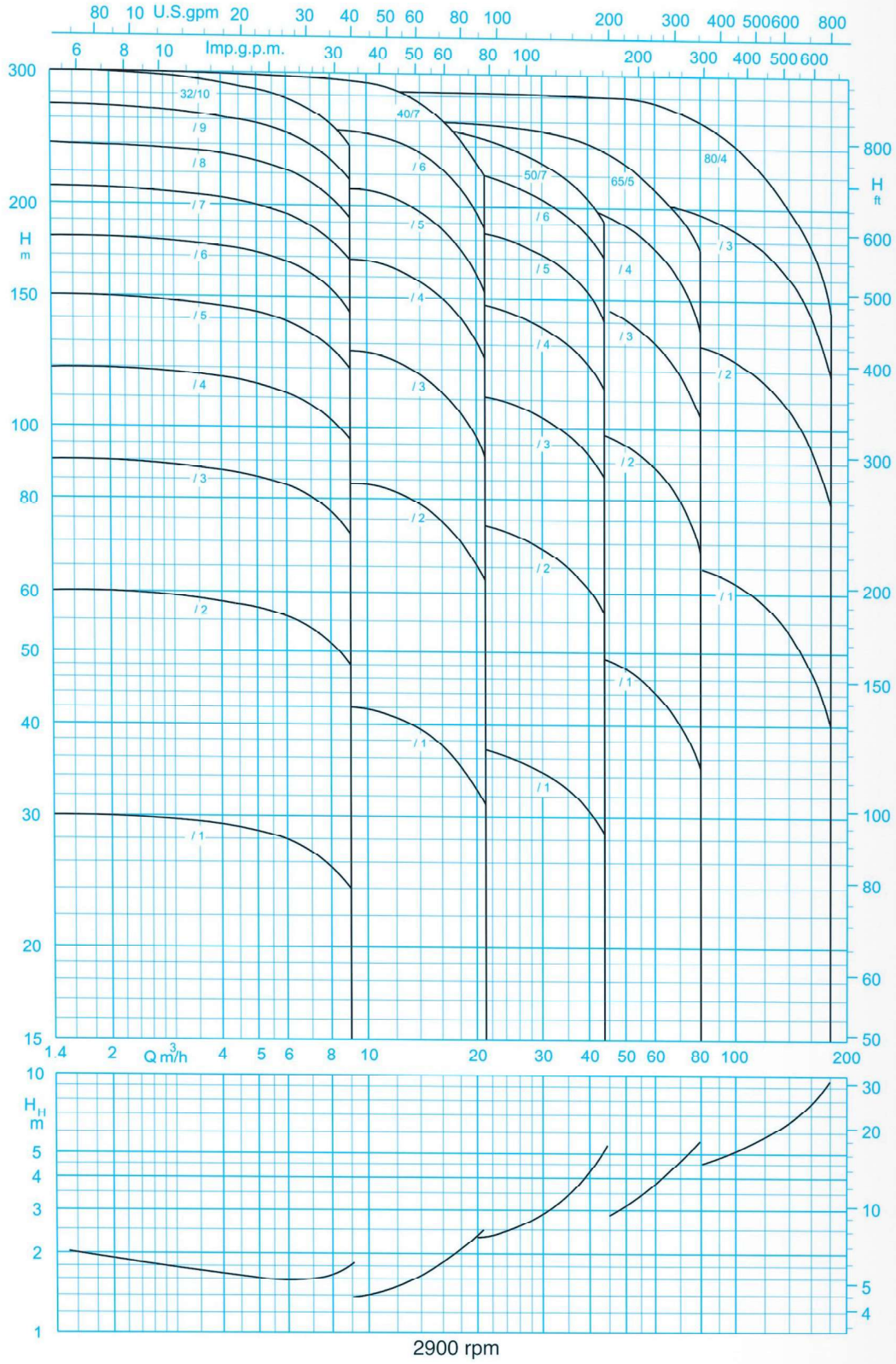
pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		300	250	200	150	100				-	-	-	-	-							
125.1		22	28	32	35	38	37	50		-	-	-	-	-	-	-	320			291	885*668*675
125.2a		38	51	60	67	72	55	75		-	-	-	-	-	-	-	310			349	1000*668*675
125.2		45	55	64	71	77	75	100		-	-	-	-	-	-	-	320			349	1000*668*675
125.3a		-	65	82	92	101	75	100		-	-	-	-	-	-	-	300			407	1115*668*675
125.3	Head	67	83	96	106	115	90	125		-	-	-	-	-	-	-	320			407	1115*668*675
125.4a	(m)	76	101	119	134	145	110	150	Head	-	-	-	-	-	-	-	310	150mm	125mm	465	1230*668*675
125.4		90	111	128	141	153	132	180	(m)	-	-	-	-	-	-	-	320			465	1230*668*675
125.5		112	138	159	177	191	160	218		-	-	-	-	-	-	-	320			523	1345*668*675
125.6a		-	144	173	196	212	160	218		-	-	-	-	-	-	-	310			581	1460*668*675
125.6		135	166	191	212	230	200	270		-	-	-	-	-	-	-	320			581	1460*668*675

pump type	RPM 1450	CAPACITY					KW	HP	RPM 2900	CAPACITY					KW	HP	IMP .Dia (mm)	inlet flange	outlet flange	NET weight (Kg)	x,y,z (mm)
		440	360	280	200	120				-	-	-	-	-							
150.1		33	38	43	47	51	75	100		-	-	-	-	-	-	-	360			637	1035*761*775
150.2a		-	56	68	76	84	90	125		-	-	-	-	-	-	-	330			737	1180*761*775
150.2a		56	66	76	85	95	110	150		-	-	-	-	-	-	-	345			737	1180*761*775
150.2		66	77	86	95	102	132	180		-	-	-	-	-	-	-	360			737	1180*761*775
150.3a		84	99	115	127	141	160	218		-	-		-	-	-	-	345			873	1325*761*775
150.3	Head	99	115	130	143	154	200	270		-	-	-	-	-	-	-	360			873	1325*761*775
150.4a	(m)	105	130	150	170	190	200	270	Head	-	-	-	-	-	-	-	345	200mm	150mm	937	1470*761*775
150.4		132	154	173	190	205	250	340	(m)	-	-	-	-	-	-	-	360			937	1470*761*775
150.5a		140	165	190	212	237	250	340		-	-	-	-	-	-	-	345			1037	1615*761*775
150.5		164	192	216	238	256	315	427		-	-	-	-	-	-	-	360			1037	1615*761*775
150.6a		168	198	230	254	282	315	427		-	-	-	-	-	-	-	345			1203	1760*761*775
150.6		198	230	260	286	308	350	474		-	-	-	-	-	-	-	360			1203	1760*761*775

PERFORMANCE RANGE OF HIGH PRESSURE PUMPS

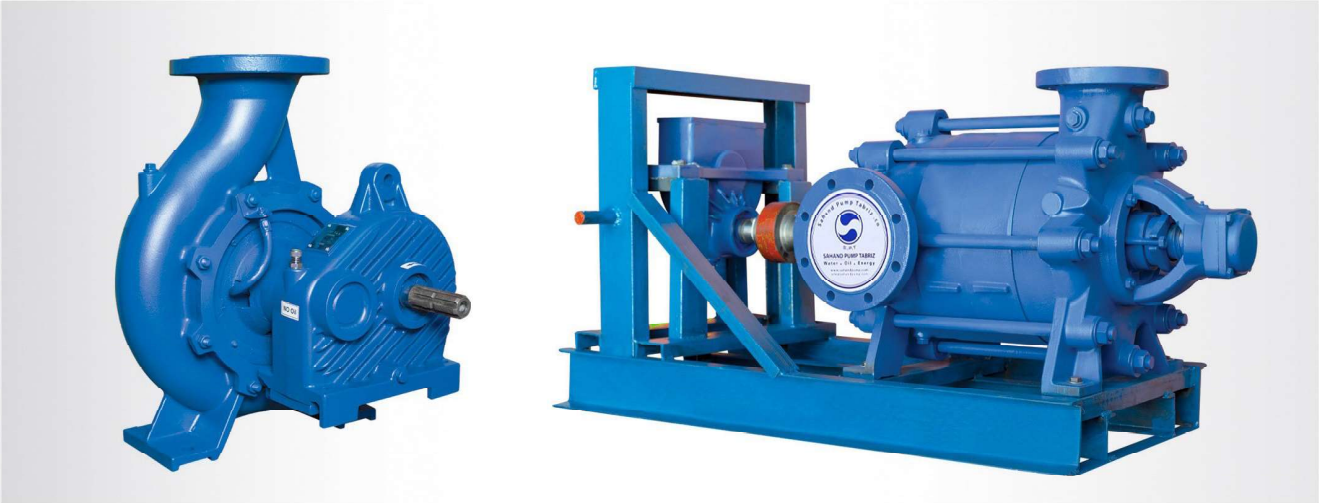


1450 rpm


U.S.gpm
Imp.g.p.m.
H m
H ft
Q m³/h
H m
32/10
/9
/8
/7
/6
/5
/4
/3
/2
/1
40/7
/6
/5
/4
/3
/2
/1
50/7
/6
/5
/4
/3
/2
/1
65/5
/4
/3
/2
/1
80/4
/3
/2
/1

2900 rpm

BEHIND TRACTOR PUMPS



CONSTRUCTION:

Centrifugal pump with volute casing, horizontal installation, single stage, overhung impeller, single and center end suction, separate coupling. Main dimensions and nominal performance in accordance with EN 733. Impeller is dynamically balanced. The shaft is sealed either by a soft packing or by a mechanical seal. It is protected with a renewable chrome nickel steel sleeve in the region of the shaft seal.

Radial and axial forces on shaft are supported by two grease lubricated deep groove ball bearings on backside of impeller. An oil lubricated version is available on request. The pumps are built so that the complete pump rotor, including the bearing bracket can be dismantled as a unit towards the drive end, casing remains on piping system.

Sahand Pump company with used its experience could design Incremental gearbox joined with centrifugal and high pressure stage pumps (WKL) in areas that not reachable electricity power for drive the pumps .

APPLICATION:

For irrigation, municipal and industrial water supply, also cooling and heating circulation system fields.

PUMP SPECIFICATIONS:

Output size:	80 to 200 mm
Capacity:	40 to 1000 m^3/h
Head:	10 to 55 m
Operating temperature with :	
– Soft packing box from	-10°C to 110°C
– Mechanical seal from	-10°C to 140°C
Test pressure:	10 bar

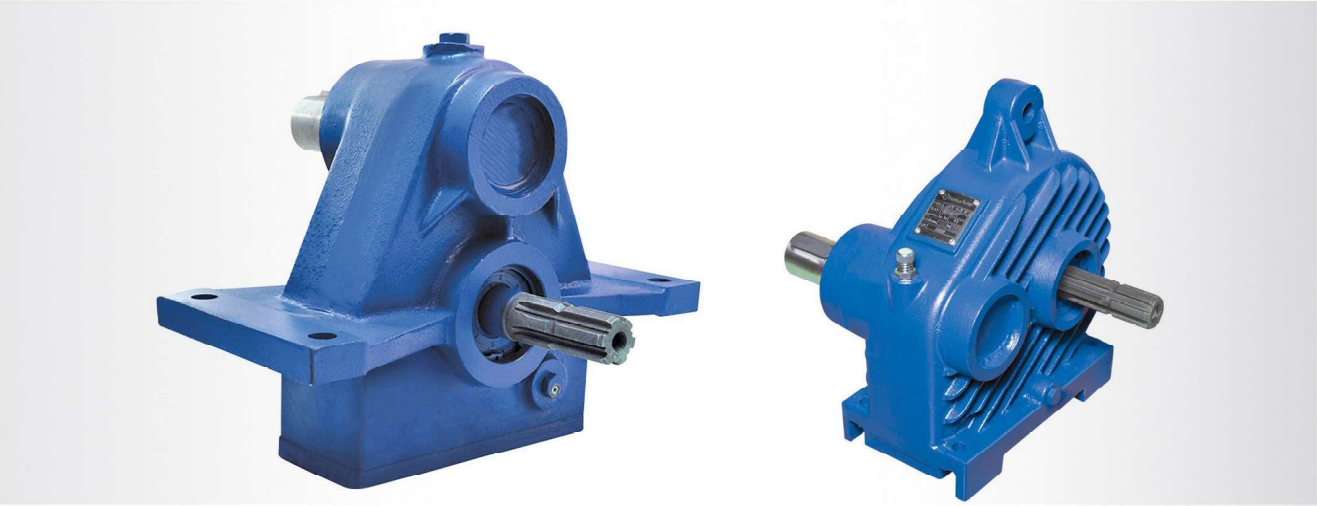
Categories:

Building Services, Chemical & Food, Marin, Water Supply

Capacity: 40 to 1000 m^3/h

The amaunt of consumed (Lit)	Lubricating oil type	max suction head (M)	Power (Hp)	Capacity (m^3/h)	Head (m)	Pump tpe
1	SAE 140	6	15	90	20	80-250
			30	90	45	80-250 H
			25	80	35	80-315
			15	120	20	100-250
			30	120	45	100-250 H
			30	120	35	100 315
			15	140	15	125-200
			30	200	35	125-200 H
			25	200	25	125-250
			50	200	35	125-250 H
			20	300	15	150-200
			45	300	35	150-200 H
			41	300	25	150-250
			60	110	50	65-200 HHH
			60	120	80	65-250 HHH

INCREMENTAL GEARBOX



CONSTRUCTION:

Sahandpump as knowledge based company research by experts in factory research and development section in the field of life and financial risks and organ failure due to the use of farmers and workers and production units of the belt and foliage system for individuals, and cause to death or defect in their organs.

With using the technical know-how of engineers and designers of Fontus pump company based on users demand by designing various types of tractor rear gearboxes to increase the speed , gravity and torque required for the tractor PTO axel practically , use an electro motors.

APPLICATION:

Agriculture , Industries , Petrol , Energy , food stuff , Rescue , Red cross , Red crescent , fire stations , Hard to reach places , natural disaster (storm , Flood , Earthquake ….) , Rangeland and forests and deserts , war zones

GEARBOXES SPECIFICATIONS:

Maximum Capacity: 65 Hp

Type of lubrication oil : SAE 140

Categories:

Coupling with generators (to product electricity) – coupling with any pump types

Incermental Gearbox			
Product	SPT 1/3	SPT 1/4	SPT 1/6
Gear ratio	2/68	3/70	5/37
Input round	540	540	540
Output round	1450	2000	2900
Power	65 HP		
Application	Centrifugal & high pressure pumps-generators		
Lubricating oil type	SAE 140		
The amaunt of consumed	1		

STAINLESS STEEL PUMPS

CONSTRUCTION:

Centrifugal pump with volute casing, horizontal installation, single stage, overhung impeller, single and center end suction,separate coupling. Main dimensions and nominal performance in accordance with EN 733. Impeller is dynamically balanced. The shaft is sealed either by a soft packing or by a mechanical seal. It is protected with a renewable chrome nickel steel sleeve in the region of the shaft seal.

Radial and axial forces on shaft are supported by two grease lubricated deep groove ball bearings on backside of impeller. An oil lubricated version is available on request. The pumps are built so that the complete pump rotor, including the bearing bracket can be dismantled as a unit towards the drive end, casing remains on piping system.

APPLICATION:

For Food stuffs, color, petrol, Gasoline and fuel oil , Hazardous chemicals , Corrosive substances , salty water

GEARBOXES SPECIFICATIONS:

Output size:	32 to 300 mm
Capacity:	5 to 1650 m^3/h
Head:	5 to 90 m

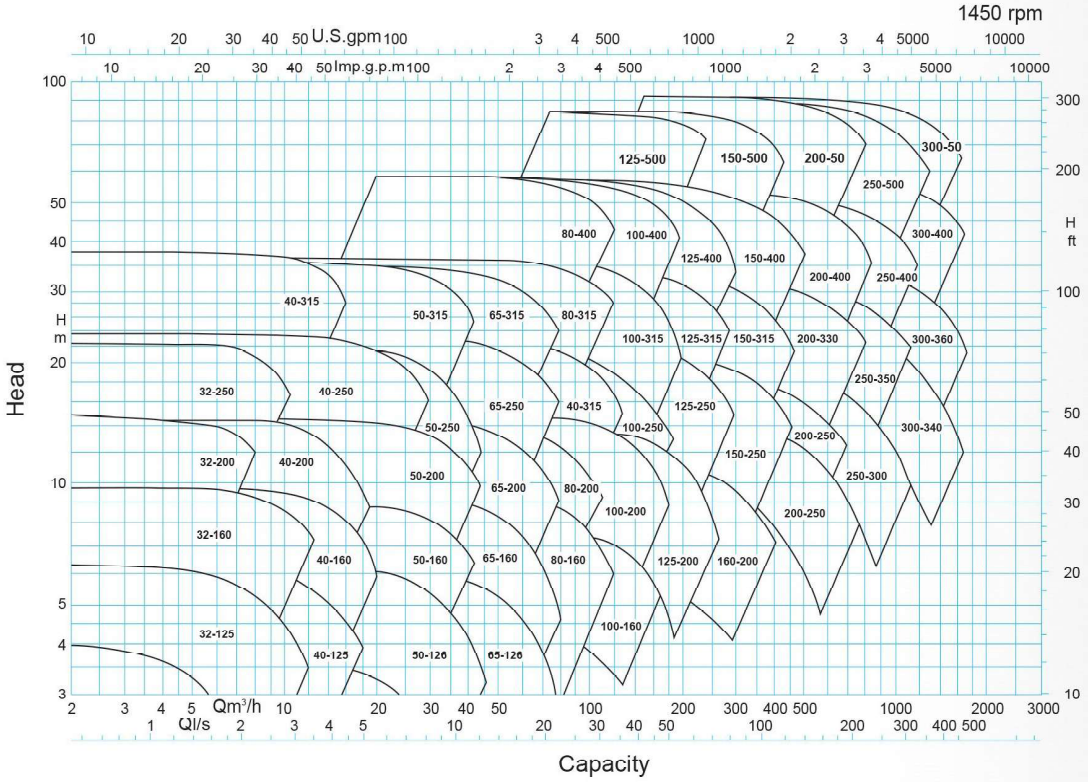
Operating temperature with :

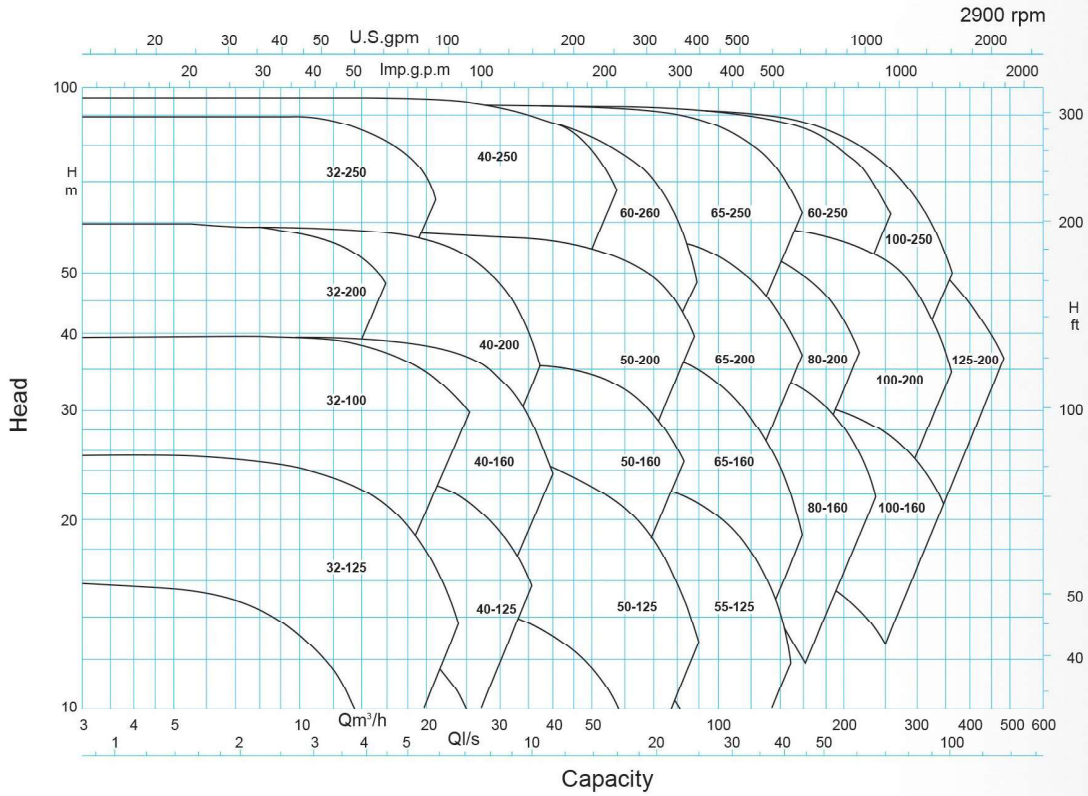
– Soft packing box from	-10°C to 110°C
– Mechanical seal from	-10°C to 140°C
Test pressure:	16 bar

Categories:

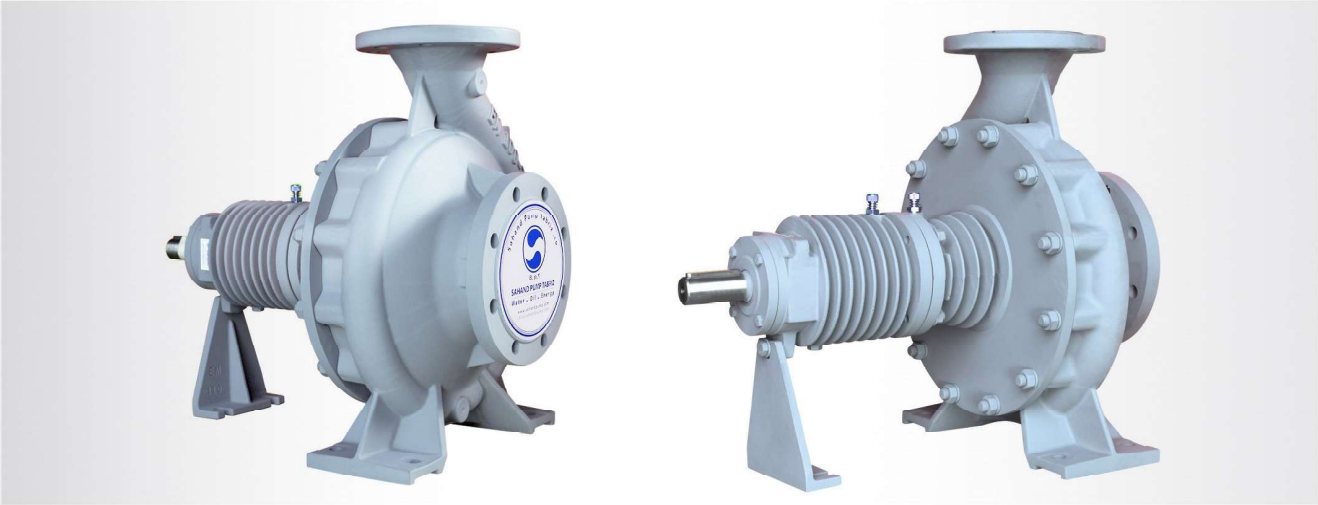
Building Services, Chemical & Food, Marin, Water Supply

PERFORMANCE RANGE OF STAINLESS STEEL PUMPS





THERMAL OIL PUMPS



CONSTRUCTION:

Especial designed centrifugal pump suitable for pumping hot oil up to 300ºC. Horizontal, radial split volute casing, single stage, end suction, air – cooled with closed impeller and mechanical seal for heat transfer circulating systems.
Main dimensions of pump are according to EN 733.
Two deep groove ball bearings (DIN 625) make the pump suitable for pumping oil.

APPLICATION:

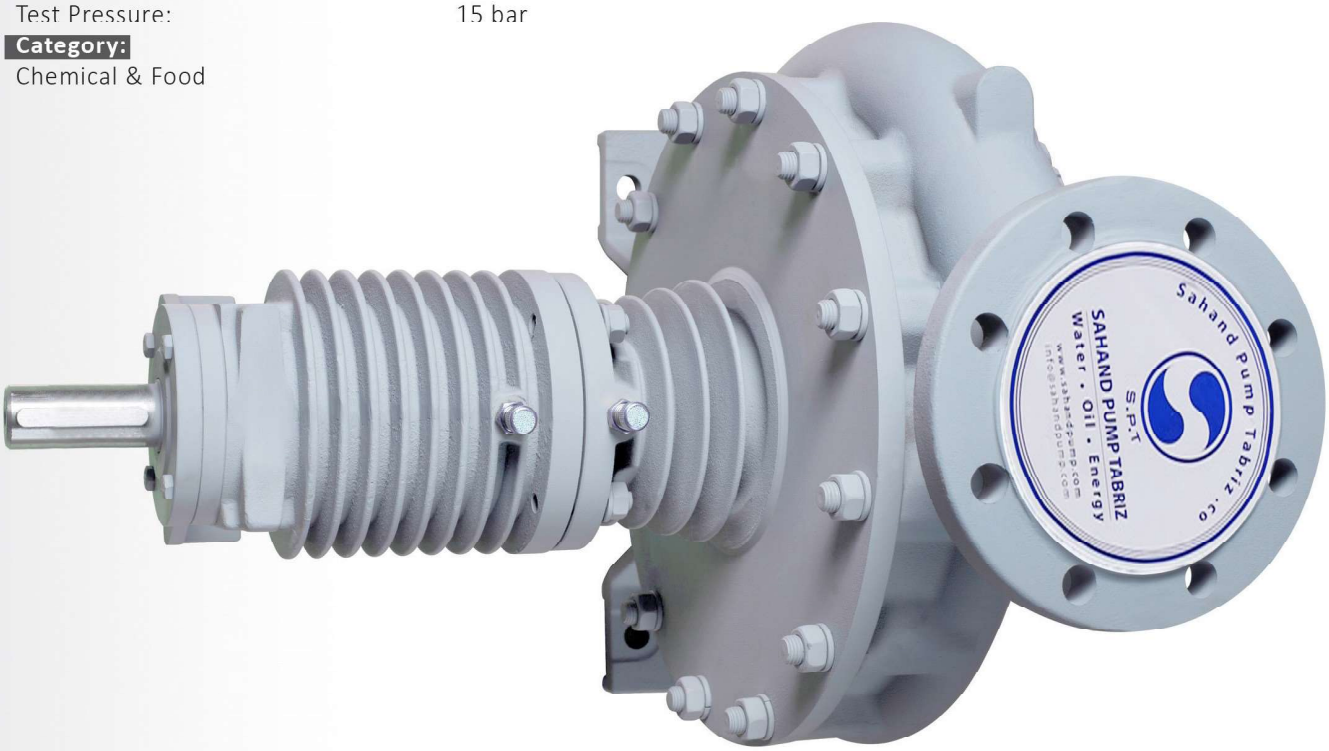
For chemical, pharmacological, food stuffs, plastic, weaving, leather, paper, paint, electrical and steel industries.

PUMP SPECIFICATIONS:

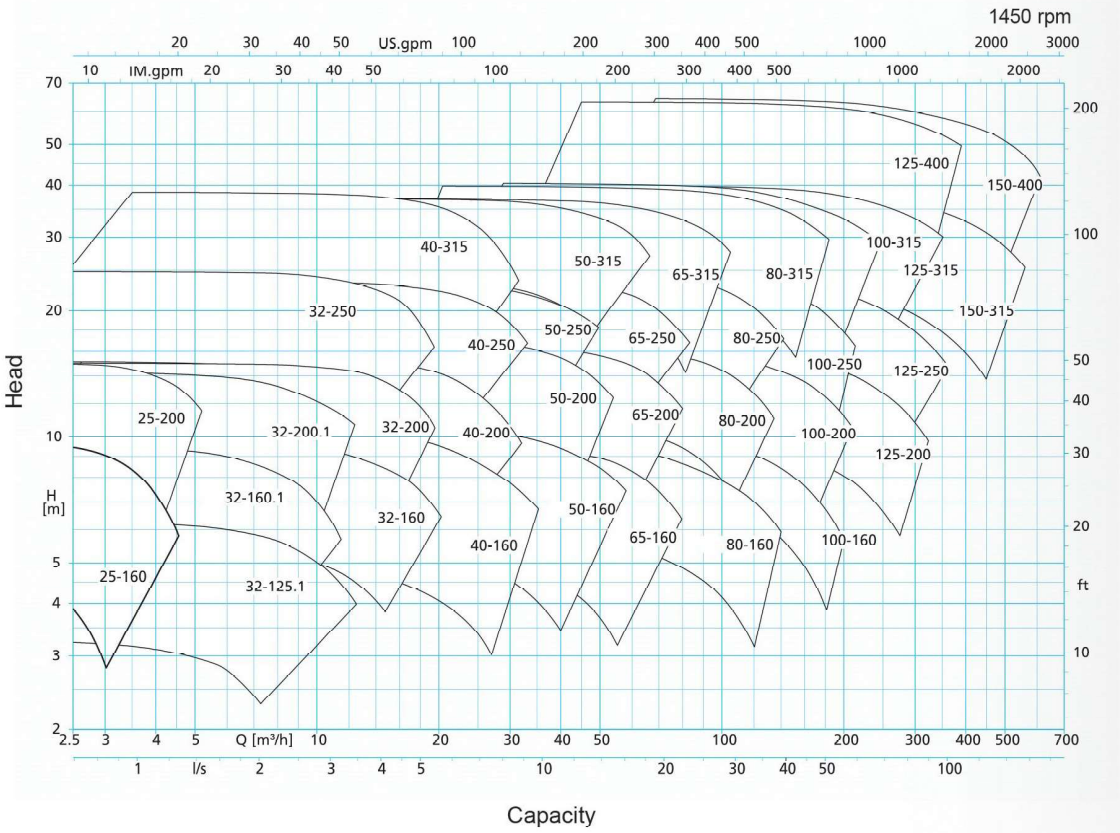
Output size:	32 to 100 mm
Capacity:	Up to 350 m3/h
Head:	Up to 95m
Operating temperature:	Up to 300 ºC
Test Pressure:	15 bar

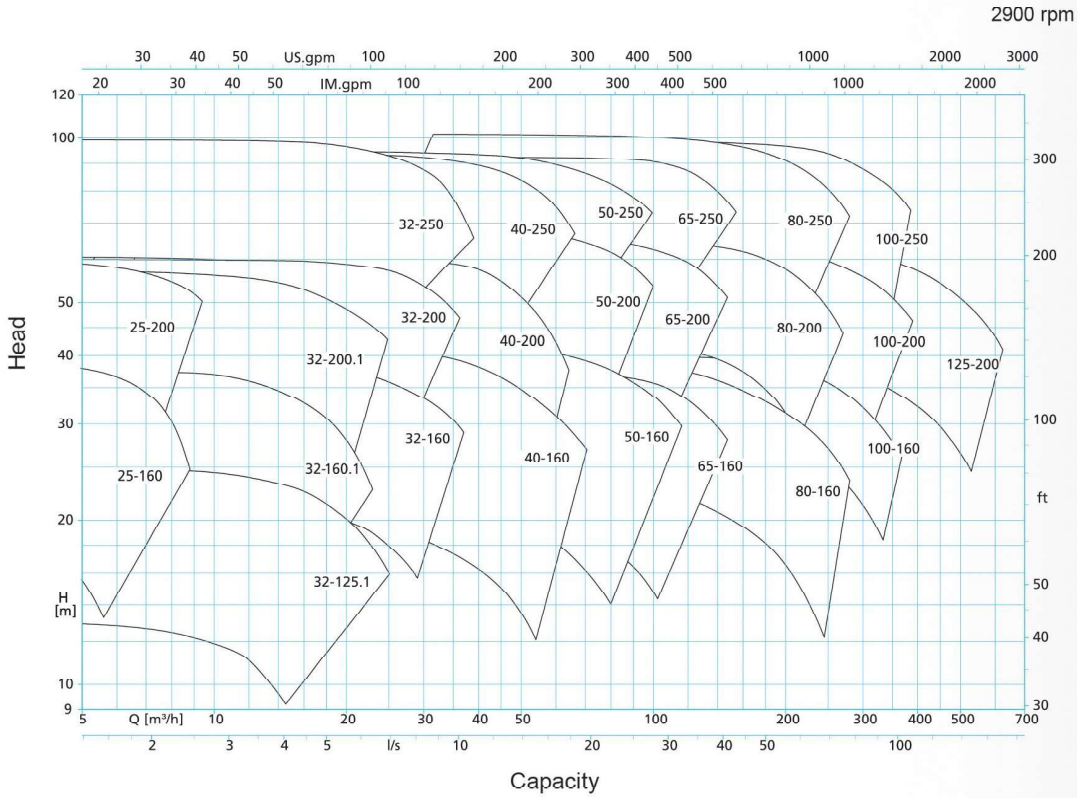
Category:

Chemical & Food



PERFORMANCE RANGE OF THERMAL OIL PUMPS





HEAVY DUTY SLUDGE PUMPS (HDS)

CONSTRUCTION:

Centrifugal pump with volute casing, horizontal installation, single stage, overhung impeller, single and center end suction, separately coupled. Impeller is dynamically balanced. The shaft is sealed by a soft packing. Discharge nozzle is on the upper left, if viewed from shaft end. An external source used for cooling and flashing of stuffing box also preventing of penetration of abrasive liquid. One of the most important features of these pumps is the use of changeable wear parts.

APPLICATION:

Pumping of difficult materials, some of which are as drilling mud, clay water, heavy chemicals, grout, wax, also paper, sugar, detergent industries and general applications like irrigation, domestic water supply and light chemicals.

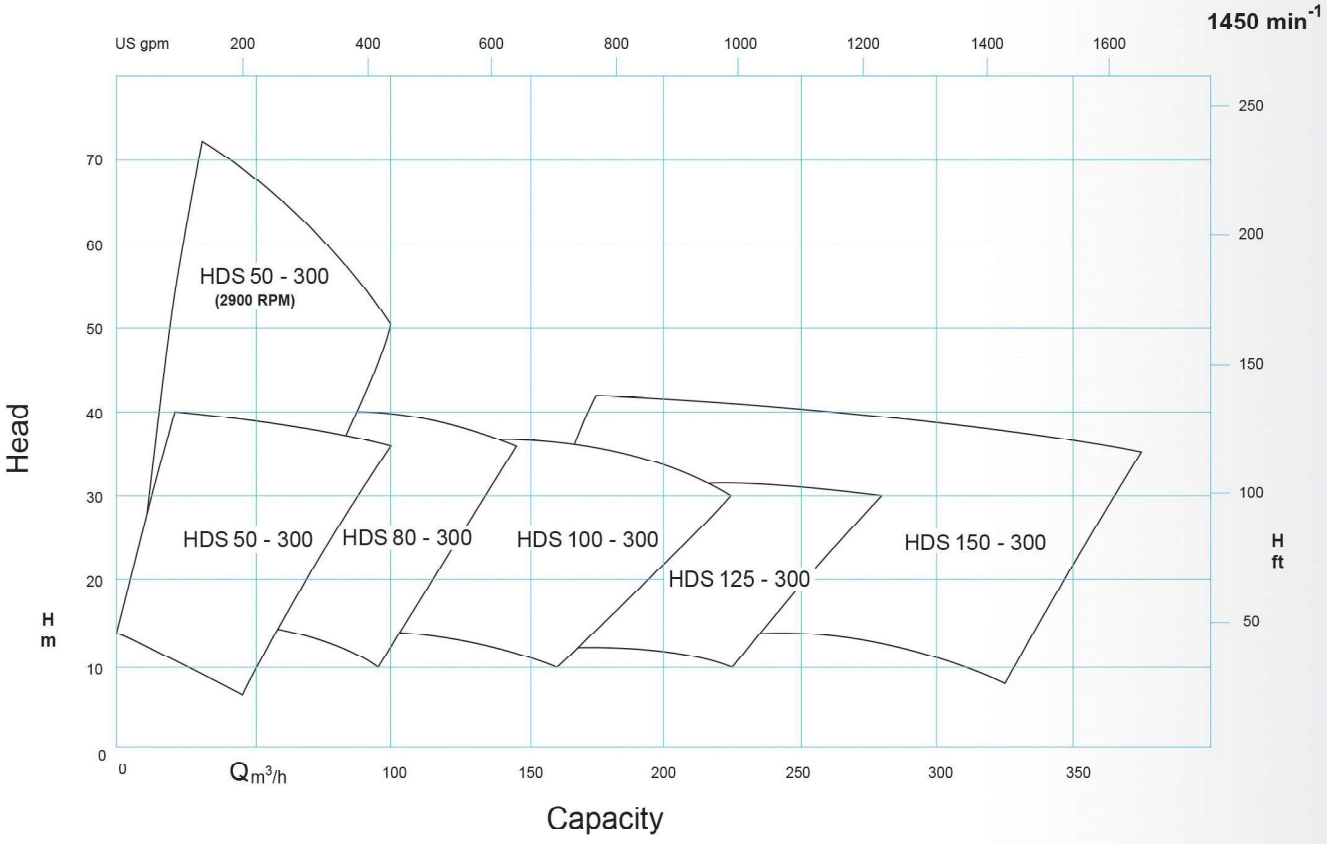
PUMP SPECIFICATIONS:

Output size:	50 to 150 mm
Capacity:	Up to 350 m3/h
Head:	Up to 70m
Operating temperature:	-10 ºC to 110 ºC
Test pressure:	10 bar

Category:

Mining

	RPM	CAPACITY					KW	HP	RPM	CAPACITY					KW	HP	IMP .Dia	inlet	outlet	NET weight	x,y,z (mm)
	1450	40	50	60	70	80			2900	40	50	60	70	80			(mm)	flange	flange	(Kg)	
50-300	Head (m)	41	40	35.6	36.8	34.4	18.5	25	Head (m)	71.3	69.8	67.5	64.1	60	30	40	220/330	80	50	250	819*468*491
		36.5	35.3	33.6	31.4	29	18.5	25		63.5	61.8	59.6	56.2	52	30	40	210/320				
		30.1	29	27.2	25.7	23	15	20		55.6	54	51.5	47.8	42	22	30	200/290				
		24.5	23.1	21.5	19	15.5	11	15		46.4	44.2	41.5	37.2	32	18.5	25	185/270				
	RPM	CAPACITY					KW	HP	RPM	CAPACITY					KW	HP	IMP .Dia	inlet	outlet	NET weight	x,y,z (mm)
	1450	50	75	100	125	150			2900	-	-	-	-	-			(mm)	flange	flange		
80-300	Head (m)	40.8	40.5	39.7	38	-	30	40	Head (m)	-	-	-	-	-	-	-	330	100	80	251	858*468*487
		35	34.9	34	31.5	28	22	30		-	-	-	-	-	-	-	305				
		29.5	28.9	27	25	21.2	18.5	25		-	-	-	-	-	-	-	280				
		24	23	21.8	19	13.5	15	20		-	-	-	-	-	-	-	255				
	RPM	CAPACITY					KW	HP	RPM	CAPACITY					KW	HP	IMP .Dia	inlet	outlet	NET weight	x,y,z (mm)
	1450	150	200	250	300	350			2900	-	-	-	-	-			(mm)	flange	flange		
150-300	Head (m)	43	42.2	41	39	36	55	75	Head (m)	-	-	-	-	-	-	-	333	200	150	273	959*646*583
		33	32	30.6	28.2	25.3	45	60		-	-	-	-	-	-	-	305				
		27.7	26.7	25	22.4	19	37	50		-	-	-	-	-	-	-	280				
		21.5	20.2	18.6	16	-	30	40		-	-	-	-	-	-	-	255				


1450 min-1
US gpm
200
400
600
800
1000
1200
1400
1600
250
200
150
100
50
H
ft
70
60
50
40
30
20
10
0
Head
H
m
HDS 50 - 300
(2900 RPM)
HDS 50 - 300
HDS 80 - 300
HDS 100 - 300
HDS 125 - 300
HDS 150 - 300
0
Qm3/h
100
150
200
250
300
350
Capacity

FIRE FIGHTING SYSTEMS

CONSTRUCTION:

To provide the necessary pressure in the firefighting network uses a variety of pumps . in case where firefighting water contains corrosive substances (salty water) are used corrosion resistant materials.in firefighting packs for main pumps , preferably two suction pumps and Centrifugal ETA ALT pumps with suitable driving motor are used . the main purpose of the firefighting pumps propulsion system is to provide the driving force in all situations even in crisis times.
Firefighting pumps common drivers are electromotor and diesel engine. These pumps with electromotor and diesel engine drivers are used with integrated control system and other essentials. Most of these pumps started with a pressure signal raised in pump discharge pipe line. In this packs each firefighting pump has separately its own control system .
Diesel engine control systems are designed and build to enable the engine to be manually or automatically switched on. A manual switching on is essential for regular system testing.

APPLICATION:

Firefighting system in : Marine industries , Oil rigs , Large naval vessels , Oil tanker ships , Refineries , Large production units and factories , Petrochemical industries , Public warehouses , Oil storage centers , air ports and hangars , Towers and residential and commercial buildings .