An ISO 9001:2000 Certified Company

CYRUS

Quality, Reliability, Excellence

OSWAL PUMPS

OSWAL

Ushering in Prosperity

Look At The Range We Have For Energy Saving

STAINLESS STEEL 10" SUBMERSIBLE PUMPS
FOR 6", 8" & 10" MOTOR

OSP10-125/160

S.S. PUMPS

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S.S. Pump OSP10-125/160

OSWAL submersible pumps & motors are well known for its quality, Reliability & excellent for all type of service purpose. **OSWAL** submersible pumps & motors are manufactured under supervision of highly qualified technical team with a stage wise rigid inspection procedure under TQM concepts.
OSWAL team are well known for their excellent services after sales.
The company has also obtained BIS certificate for ISI mark and through continuous process improvements & streamlining the quality system at par with the international standards has now acquired ISO:9001:2000 certifications.
Application of Bore well submersible pumps are Hospitals, Water circulation systems, Water supply systems of Government, Irrigation, Farms, Drip & sprinkler irrigation, Gardening, Nurseries, Domestic water supply, Multi-storeyed Building & Industrial water supply systems & Hotels.
OSWAL has successfully developed its energy efficient and cost efficient pump manufacturing of fully fabricated S.S.-304 with a quality level as per international standard. The company has offering quality product at a lowest price .the company has exporting pump sets to developed countries and the same quality is supply in domestic market.
OSWALSubmesible Pumpsets of moduler design suitable for under-water operation for universal fit, all mounting dimensions of pumps and motors are in accordance with NEMA standards. **OSWAL** submersible pumpset are of completely S.S.-304 construction with fabricated technology, light weight easy for handling, life longivity, pump shaft using Duplex steel for high wear resistance.
OSWAL WATER FILLED AND 8" WATER COOLED SUBMERSIBLE MOTORS confirm to IS : 9283.& Pump set confirm to IS : 8034.

GENERAL DATA

* Duty Range : 2100 LPM to 2700 LPM.
* Pumped liquid : Clean water free from solid, Chemically Natural & Close the characteristics of water.
* Max. liquid temperature : 35°c.
* Max. Quantity of sand : 40gm/m³.
* Minimum Suction head required : 1.5 meter.
* Starts/hours : max. 15 to 20
* Head, H- maximum 285 meter.
* Flow Range : Min. to Max. 48-204M³H

TYPE		OSP 125	OSP 160
Steel : S.S.-304		+	+
Connection: Rp (Inches)	BSP Thread	6"	6"
	NPT Thread	6"	6"

GENERAL DATA

PUMP MODEL TYPE KEY EXAMPLE

OSP J 125 4 A A

* Model type
* Janta 6" Motor with 10" Pump
* Nominal flow rate *16.67 lpm
* Numbers of Impellers
* First impellers with reduced diameter (A,B,C)
* Second impellers with reduced diameter (A,B,C)

PUMPED LIQUIDS

* Clean, thin, non-aggressive liquids without solid particles.

Maximum Liquid Temperature:

Motor	Installation		
	Flow velocity-past motor	Vertical	Horizontal
8"	0.15 m/s	40°c	40°c

Operating pressure: Maximum 67 bar.

CURVE CONDITIONS

* The conditions below apply to the curves shown on the following pages :

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OSP10-125 CURVE

* **Q/H** : The curves are inclusive of losses such as NRV losses at the actual speed. Operation without non-return valve will increase the actual head at nominal performance by 0.5 to 1.0 m.
* **Power Curve** : **(**BPKW**)** For Particular Stage shows pump power.
* **Efficiency Curve** : Efficiency shows pump stage efficiency.

FEATURES AND BENEFITS

A Wide Pump Range

* We offers submersible pumps with energy-efficient duty points ranging from 125 To 160M^3/H. The pump range consist of many pump sizes (Stages) to match any duty point.

High Pumps Efficiency

* Often pump efficiency is a neglected factor compared to the price variations are without importance of pump and motor efficiencies.

Example

* Pumping water-125 m^3/h with a head of 100 meter.
* When choosen stainless steel energy efficient pump, be saved (than other pumps) 4unit (kwh) per hour.
* It save Rs. 4,60,000 in 10 year for 8 hours / day running)

Applications

* We offers a complete range of pumps and motors with as a standard are made completely as stainless steel - 304. This provides for good wear resistance and a reduced risk of corrosion when pumping ordinary cold water with a minor content of chloride.

Low Installation Cost

* These pumps have low weight facilitating the handling of pumps and resulting in low equipment costs and reduced installation and service time. In addition pumps will be as new after service due to the high wear resistance of stainless steel.

Bearing with Sand Channels

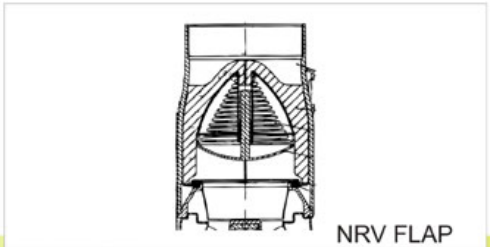
* All bearing are water-Lubricated and have a octagone shape enabling sand particles.

Inlet Strainer

* The inlet strainer prevents particles over a certain size from entering the pump.

Non-Return Valve

* All pumps are equipped with a non-return valve in the valve casing preventing back flow in connection with pump stoppage.
* Furthermore, the short closing time of the non-return valve means that the risk of destructive water hammer is reduced to the minimum.
* The valve casing is designed for optimum hydraulic properties, to minimize the pressure loss across the valve and thus contributes to the high efficiency of the pump.



NRV FLAP

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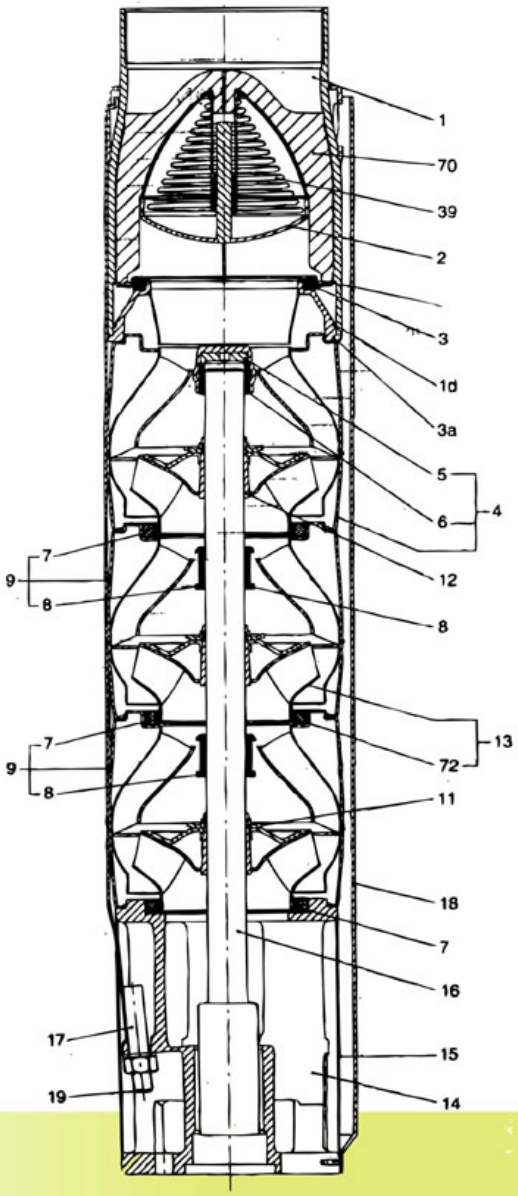
S.S. Pump OSP10-125/160

GENERAL

* Curve tolerance according to ISO 9906, Annex A&B.
* The performance curves show pump performance at actual speed of standard motor range.
* The speed of the motors is approximately:
  8" motors : n=2850 min^{-1}
* The measurements were made with airless water at a temperature of 20°c. The curves apply to a kinematic viscosity of 1mm^2/s.
  When pumping liquids with a density higher than that a water, motors with correspondingly higher outputs must be used.
* The bold curves indicate the performance range.

MATERIAL SPECIFICATION - OSP10-125

S.No.	Components	Material	Standard
1	Valve complete	Stainless steel	304
Id	O-ring	NBR	
2	Valve cup	Stainless steel	304
3	Valve seat	Stainless steel + NBR	
3a	Lower valve seat retainer	Stainless steel	304
4	Top chamber	Stainless steel	304
5	Stop disc	Zinc less bronze	
6	Upper bearing	Stainless steel + NBR	
7	Neck ring	NBR + Stainless Steel	
8	Bearing	NBR	
9	Inter Chamber	Stainless steel	304
11	Split cone nut	Stainless steel	304
12	Split cone	Stainless steel	304
13	Impeller	Stainless steel	304
14	Suction interconnector	Stainless steel	304
15	Strainer	Stainless steel	304
16	Pump shaft	Stainless steel	316
17	Strap	Stainless steel	304
18	Cable guard	Stainless steel	304
18a	Cheese-head screw for cable guard	Stainless steel	304
19	Nut	Stainless steel	304
19a	Nut	Stainless steel	304
22	H H bolt	Stainless steel	304
22a	Nut	Stainless steel	304
23	Rubber guard	Rubber	
28	Lock for strainer	Stainless steel	304
39	Spring for valve cup	Stainless steel	304
70	Valve guide complete	Stainless steel	304
71	Washer	Stainless steel	304
72	Wear ring	Stainless steel	304
77	Cover plate for suction interconnector	Stainless steel	304
77a	Screw for cable guard holder	Stainless steel	304
78	Nameplate	Stainless steel	304
79	Rivet	Stainless steel	304



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S.S. Pump OSP10-125/160

PERFORMANCE TABLE OSP10-125

MODEL	HP	STAGE	MOTOR POWER (KW)	DISCHARGE						
				M³/H	0	48	96	**126**	144	156
				(L.P.M.)	0	800	1600	**2100**	2400	2600
OSP10-125	60	5-AA	45	HEAD (METERS)	128	122	101	**86**	70	57
OSP10-125	60	5-A	45		149	142	117	**100**	85	74
OSP10-125	75	5	55		143	139	115	**100**	85	74
OSP10-125	75	6-AA	55		156	150	124	**106**	87	72
OSP10-125	75	6-A	55		164	158	131	**113**	95	80
OSP10-125	85	6	63		171	166	138	**120**	102	88
OSP10-125	85	7-AA	63		185	178	147	**126**	104	87
OSP10-125	85	7-A	63		192	186	154	**133**	112	95
OSP10-125	100	7	55		200	194	161	**140**	119	103
OSP10-125	100	8-AA	75		213	205	170	**146**	121	101
OSP10-125	100	8-A	75		221	213	177	**153**	129	109
OSP10-125	100	8	75		228	222	184	**160**	136	118
OSP10-125	125	9-AA	93		242	233	193	**166**	138	116
OSP10-125	125	9-A	93		249	241	200	**173**	146	124
OSP10-125	125	9	93		257	249	207	**180**	153	132
OSP10-125	125	10-AA	93		270	261	216	**186**	155	131
OSP10-125	125	10-A	93		278	269	223	**193**	163	139
OSP10-125	125	10	93		285	277	230	**200**	170	147

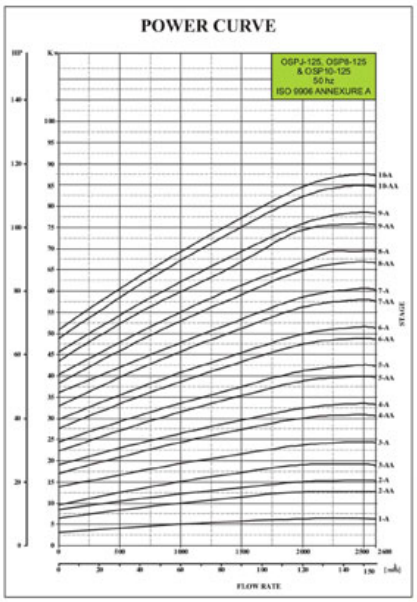
PERFORMANCE TABLE OSPJ-125

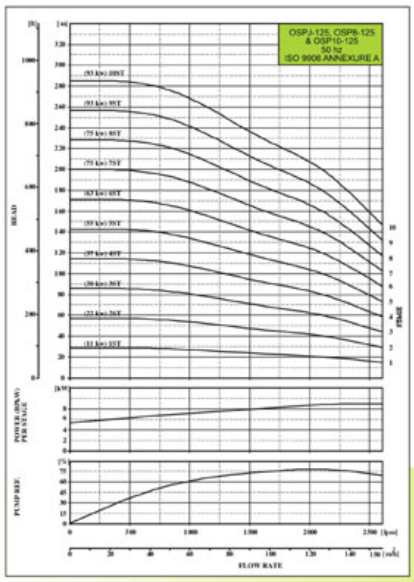
MODEL	HP	STAGE	MOTOR POWER (KW)	DISCHARGE						
				M³/H	0	48	96	**126**	144	156
				(L.P.M.)	0	800	1600	**2100**	2400	2600
OSPJ-125	10	1-A	7.5	HEAD (METERS)	21	20	16	**13**	10	7
OSPJ-125	15	1	11		29	28	23	**20**	17	15
OSPJ-125	15	2-AA	11		40	37	30	**25**	18	12
OSPJ-125	17.5	2-AA	13		42	39	32	**26**	19	13
OSPJ-125	20	2-AA	15		44	41	34	**27**	20	14
OSPJ-125	25	2-A	18.5		50	47	39	**33**	27	21
OSPJ-125	30	2	22.0		57	55	46	**40**	34	29
OSPJ-125	30	3-AA	22		71	67	55	**46**	36	28
OSPJ-125	35	3-A	26		78	75	62	**53**	44	36
OSPJ-125	40	3	30		86	83	69	**60**	51	44
OSPJ-125	50	4-AA	37.0		99	94	78	**66**	53	42
OSPJ-125	50	4-A	37.0		107	103	85	**73**	61	51
OSPJ-125	50	4	37		114	111	92	**80**	68	59

PERFORMANCE TABLE OSP8-125

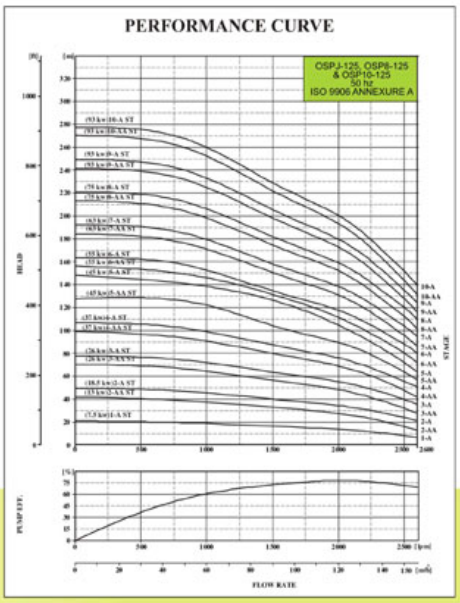
MODEL	HP	STAGE	MOTOR POWER (KW)	DISCHARGE						
				M³/H	0	48	96	**126**	144	156
				(L.P.M.)	0	800	1600	**2100**	2400	2600
OSP8-125	10	1-A	7.5	HEAD (METERS)	21	20	16	**13**	10	7
OSP8-125	15	1	11		29	28	23	**20**	17	15
OSP8-125	15	2-AA	11		40	37	30	**25**	18	12
OSP8-125	17.5	2-AA	13		42	39	32	**26**	19	13
OSP8-125	20	2-AA	15		44	41	34	**27**	20	14
OSP8-125	25	2-A	18.5		50	47	39	**33**	27	21
OSP8-125	30	2	22.0		57	55	46	**40**	34	29
OSP8-125	30	3-AA	22		71	67	55	**46**	36	28
OSP8-125	35	3-A	26		78	75	62	**53**	44	36
OSP8-125	40	3	30		86	83	69	**60**	51	44
OSP8-125	50	4-AA	37.0		99	94	78	**66**	53	42
OSP8-125	50	4-A	37.0		107	103	85	**73**	61	51
OSP8-125	50	4	37		114	111	92	**80**	68	59
OSP8-125	60	5-AA	45		128	122	101	**86**	70	57
OSP8-125	60	5-A	45		149	142	117	**99**	80	64
OSP8-125	75	5	55		143	139	115	**100**	85	74
OSP8-125	75	6-AA	55		156	150	124	**106**	87	72
OSP8-125	75	6-A	55		164	158	131	**113**	95	80
OSP8-125	85	6	63		171	166	138	**120**	102	88
OSP8-125	85	7-AA	63		185	178	147	**126**	104	87
OSP8-125	85	7-A	63		192	186	154	**133**	112	95
OSP8-125	100	7	63		200	194	161	**140**	119	103
OSP8-125	100	8-AA	75		213	205	170	**146**	121	101
OSP8-125	100	8-A	75		221	213	177	**153**	129	109
OSP8-125	100	8	75		228	222	184	**160**	136	118
OSP8-125	125	9-AA	93		242	233	193	**166**	138	116
OSP8-125	125	9-A	93		249	241	200	**173**	146	124
OSP8-125	125	9	93		257	249	207	**180**	153	132
OSP8-125	125	10-AA	93		270	261	216	**186**	155	131
OSP8-125	125	10-A	93		278	269	223	**193**	163	139
OSP8-125	125	10	93		285	277	230	**200**	170	147

POWER CURVE





PERFORMANCE CURVE



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S.S. Pump OSP10-125/160

PERFORMANCE TABLE OSPJ-160

MODEL	HP	STAGE	MOTOR POWER (KW)	DISCHARGE							
				M³/H	0	60	90	120	**162**	180	204
				(L.P.M.)	0	1000	1500	2000	**2700**	3000	3400
OSPJ-160	10	1-A	7.5	HEAD (METERS)	24	21	18	16	**12**	10	4
OSPJ-160	17.5	1	13		32	30	26	23	**20**	18	13
OSPJ-160	25	2-AA	18.5		48	41	36	32	**24**	19	8
OSPJ-160	30	2-A	22		56	50	44	39	**32**	27	17
OSPJ-160	35	2	26		64	59	52	47	**40**	35	27
OSPJ-160	40	3-AA	30		80	71	62	55	**44**	37	21
OSPJ-160	50	3-A	37		88	80	70	63	**52**	45	31
OSPJ-160	50	3	37		96	89	79	70	**60**	53	40

PERFORMANCE TABLE OSP10-160

MODEL	HP	STAGE	MOTOR POWER (KW)	DISCHARGE							
				M³/H	0	60	90	120	**162**	180	204
				(L.P.M.)	0	1000	1500	2000	**2700**	3000	3400
OSP10-160	60	4-AA	45	HEAD (METERS)	112	100	88	79	**64**	54	35
OSP10-160	60	4-A	45		120	109	97	86	**72**	62	44
OSP10-160	75	4	55		128	118	105	93	**80**	70	53
OSP10-160	75	5-AA	55		144	130	115	102	**84**	72	48
OSP10-160	75	5-A	55		152	139	123	109	**92**	80	57
OSP10-160	85	5	63		160	148	131	117	**100**	88	67
OSP10-160	85	6-AA	63		176	159	141	125	**104**	89	61
OSP10-160	100	6-A	75		184	168	149	133	**112**	97	71
OSP10-160	100	6	75		192	177	157	140	**120**	105	80
OSP10-160	100	7-AA	75		208	189	167	149	**124**	107	75
OSP10-160	125	7-A	93		216	198	175	156	**132**	115	84
OSP10-160	125	7	93		224	207	183	163	**140**	123	93
OSP10-160	125	8-AA	93		240	218	193	172	**144**	124	88
OSP10-160	125	8-A	93		248	227	201	179	**152**	132	97
OSP10-160	125	8	93		256	236	210	186	**160**	140	106

PERFORMANCE TABLE OSP8-160

MODEL	HP	STAGE	MOTOR POWER (KW)	DISCHARGE							
				M³/H	0	60	90	120	**162**	180	204
				(L.P.M.)	0	1000	1500	2000	**2700**	3000	3400
OSP8-160	10	1-A	7.5	HEAD (METERS)	24	21	18	16	**12**	10	4
OSP8-160	17.5	1	13		32	30	26	23	**20**	18	13
OSP8-160	25	2-AA	18.5		48	41	36	32	**24**	19	8
OSP8-160	30	2-A	22		56	50	44	39	**32**	27	17
OSP8-160	35	2	26		64	59	52	47	**40**	35	27
OSP8-160	40	3-AA	30		80	71	62	55	**44**	37	21
OSP8-160	50	3-A	37		88	80	70	63	**52**	45	31
OSP8-160	50	3	37		96	89	79	70	**60**	53	40
OSP8-160	60	4-AA	45		112	100	88	79	**64**	54	35
OSP8-160	60	4-A	45		120	109	97	86	**72**	62	44
OSP8-160	75	4	55		128	118	105	93	**80**	70	53
OSP8-160	75	5-AA	55		144	130	115	102	**84**	72	48
OSP8-160	75	5-A	55		152	139	123	109	**92**	80	57
OSP8-160	85	5	63		160	148	131	117	**100**	88	67
OSP8-160	85	6-AA	63		176	159	141	125	**104**	89	61
OSP8-160	100	6-A	75		184	168	149	133	**112**	97	71
OSP8-160	100	6	75		192	177	157	140	**120**	105	80
OSP8-160	100	7-AA	75		208	189	167	149	**124**	107	75
OSP8-160	125	7-A	93		216	198	175	156	**132**	115	84
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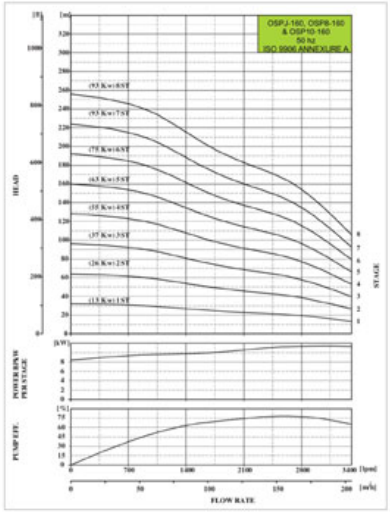
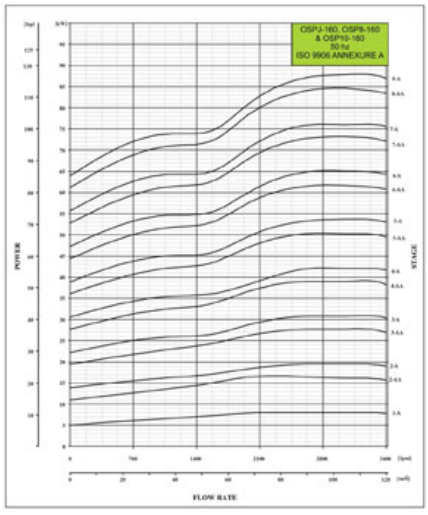
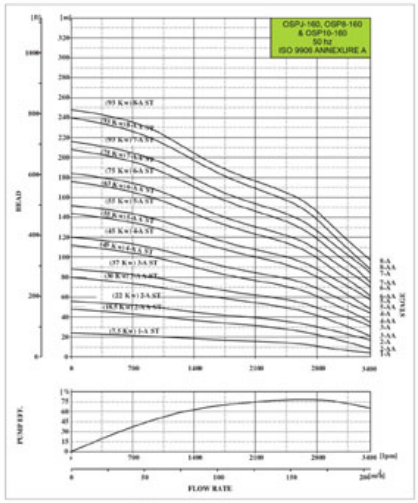
OSP8-160	125	8-A	93		248	227	201	179	**152**	132	97
OSP8-160	125	8	93		256	236	210	186	**160**	140	106







Warranty : We provide warranty for a period of 12 months as per our standard terms and conditions mention in quotation/offer.

* The manufacturer reserve the right to change the design, specification without prior notice.

OTHER RANGES :

Exclusively manufactured by :

Oswal Pumps Ltd.

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