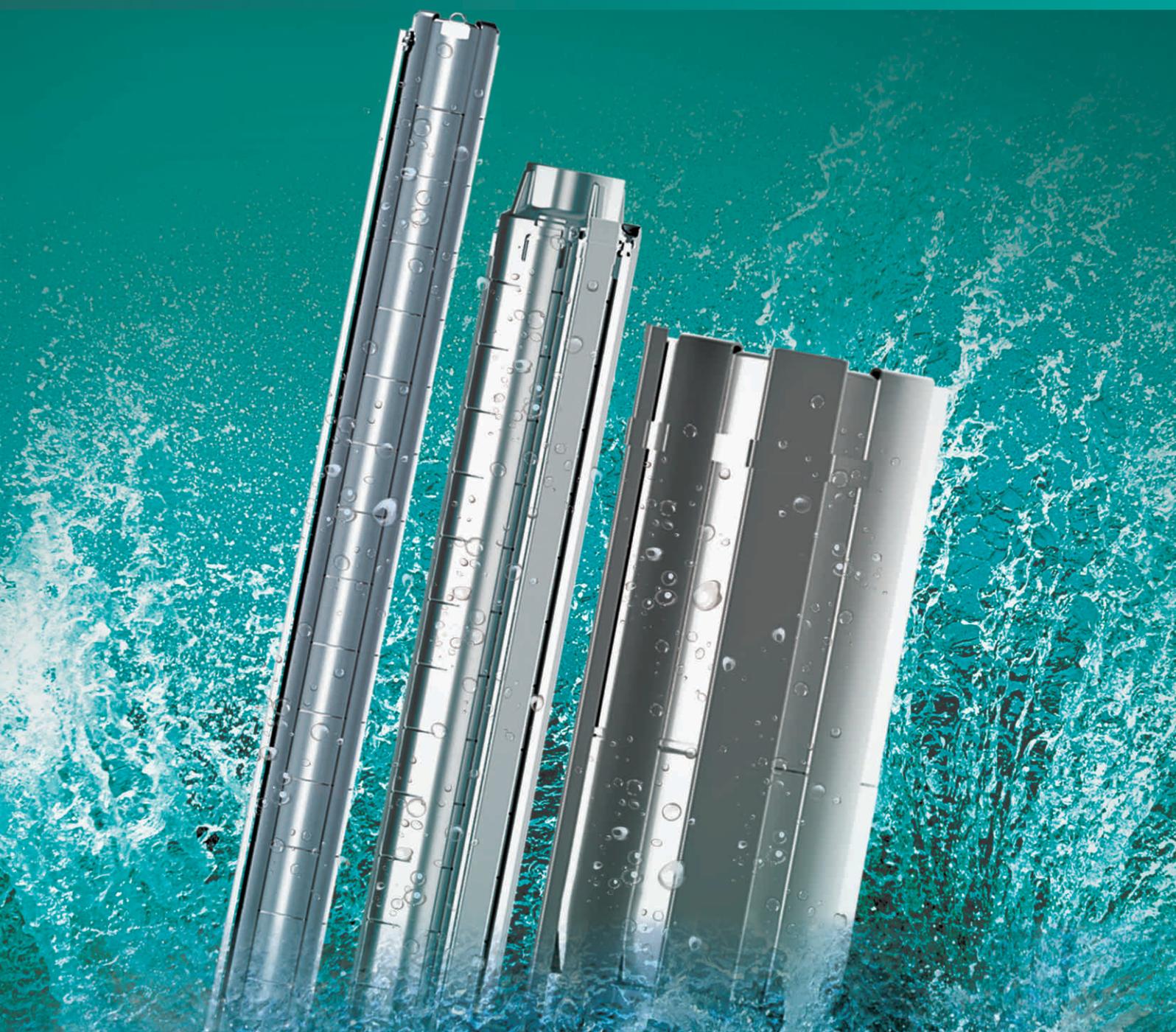




COMPACT, CORROSION-RESISTANT DESIGN WITH PRECISION
Balanced impellers for maximum hydraulic efficiency.



Products from an ISO 9001 COMPANY



10" SUBMERSIBLE PUMPS - 50 Hz

INDEX

TS SERIES - STAINLESS STEEL SUBMERSIBLE PUMPS

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GENERAL DATA

STAINLESS STEEL SUBMERSIBLE PUMPS > TS / TN / TL SERIES

Construction

Tormac stainless steel submersible pumps are ingeniously designed and developed employing latest engineering softwares, high-tech machinery, tools and cutting edge of pumping technology to deliver the best possible hydraulic efficiency. The complete stainless steel construction not only prevents the pumps from corrosion but also exceptionally increases the life-span. The integrated and most modern quality assurance systems used at every stage of the production and flawless workmanship ensure sustained and consistent operation.

All these submersible pumps are multistage single suction centrifugal type, provided with integral check-valve and NEMA standard coupling. These pumps are available with fabricated impellers and diffusers made of AISI 304/316/904L and the shaft is made of AISI 304/316/904L. The integral check valve prevents back flow and reduces the risk of water hammer which paves the way for trouble free performance. The suction screen is designed with utmost care so as not to reduce the inflow of water and at the same time to prevent damage to the pump and clogging due to the entry of sand and other foreign particles.

Applications

Fountains
Irrigation
Pressure booster systems
Public, Industrial & Private water supply systems
Air-conditioning equipments
Sprinkler systems and Mining
Farming
Water plants
Laboratories

Features

Tried and trusted
Highly efficient
Wide head and flow range with numerous models
Good sand resistance capacity, integral check valve
Corrosion free parts for hygiene
Low wear and tear
Perfectly & aesthetically designed and easily serviceable.

GENERAL DATA

Pumped Liquids

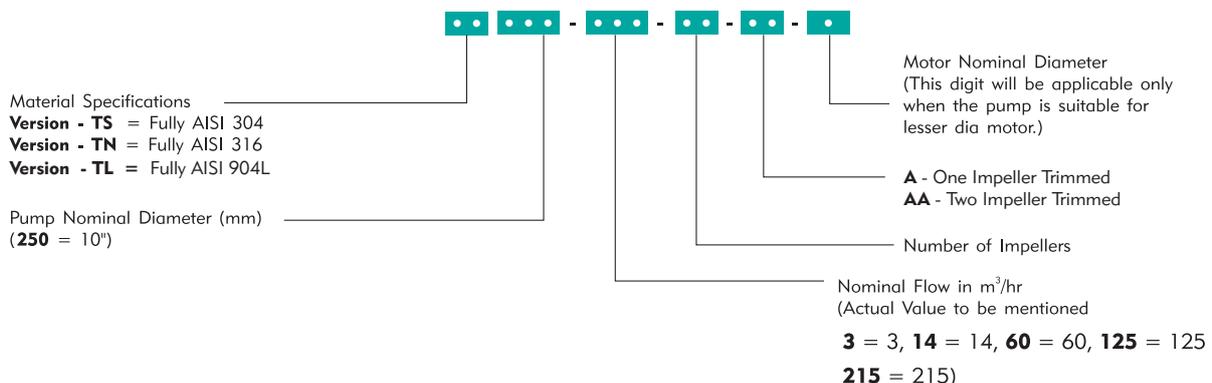
Non-aggressive, non explosive, Pure, cold, fresh water without abrasive particles having the following characteristics.

a) pH	6.5 to 8.5
b) Turbidity	50 ppm silica scale (max.)
c) Kinematic Viscosity	1 mm ² /s (1cSt) (max.)
d) Hardness (Drinking Water)	300 (max.)
e) Specific gravity	1.004 (max.)
f) Allowable solids	100 ppm (max.)
g) Chlorine ion density	500 ppm (max.)
i) Permissible amount of sand	50 g/m ³ (max.)
h) Temperature (max)	NBR-35°C / Viton-50°C

Pump Operating Limitations - TS / TN / TL Series

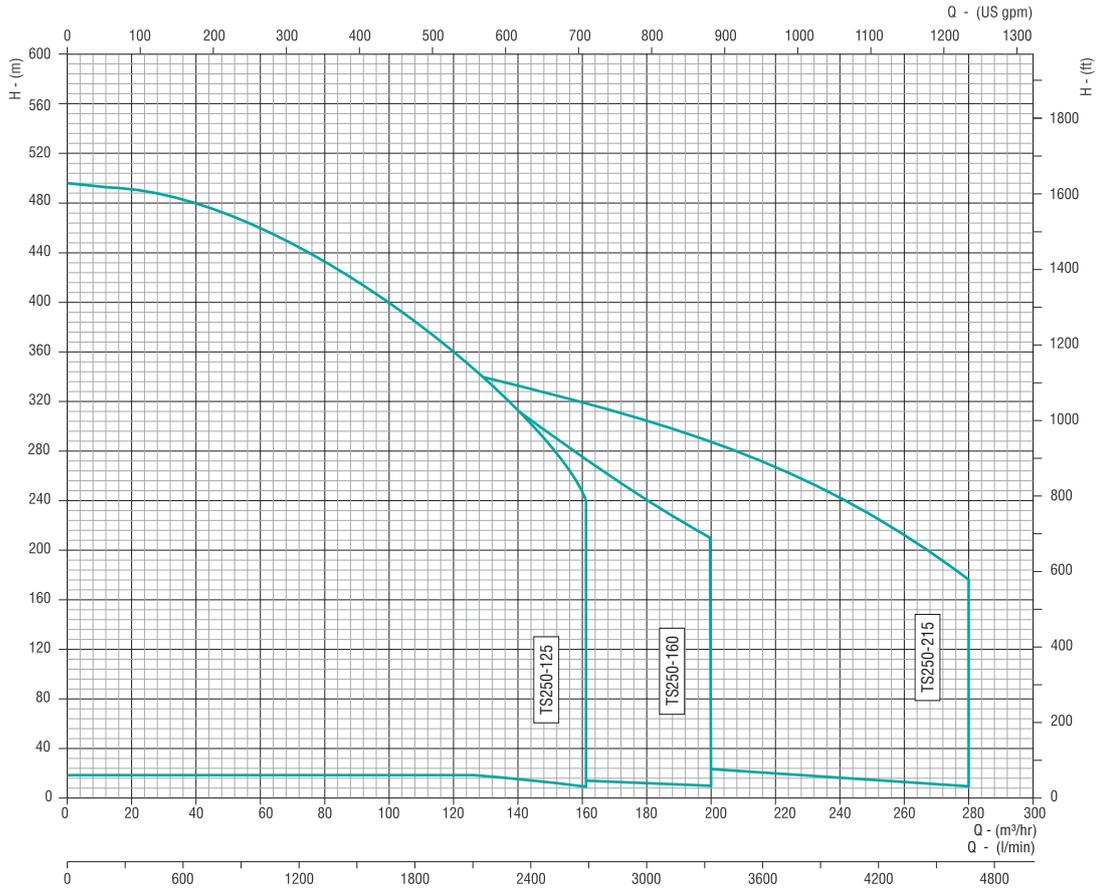
Nominal Diameter		10"
Power Range		9.3kW - 220kW
Speed		2900 rpm
Discharge Range	lpm	300 - 4667
	m ³ /hr	18 - 280
Total Head Range	ft	19.68 - 1600
	m	6 - 488
Delivery size in mm		150
Max. Operating Pressure		4.9 Mpa (49 bar)
Horizontal Installation		Minimum 30° angle
Shaft Coupling		Keyway / Splines

Model Classification ➤ Borehole Submersible Pumps



GENERAL DATA

Quick Selection > TS Series > Version TS / TN / TL > 10"



Curve tolerance according to ISO 9906:2012, Grade 3B

Performance Curve Conditions

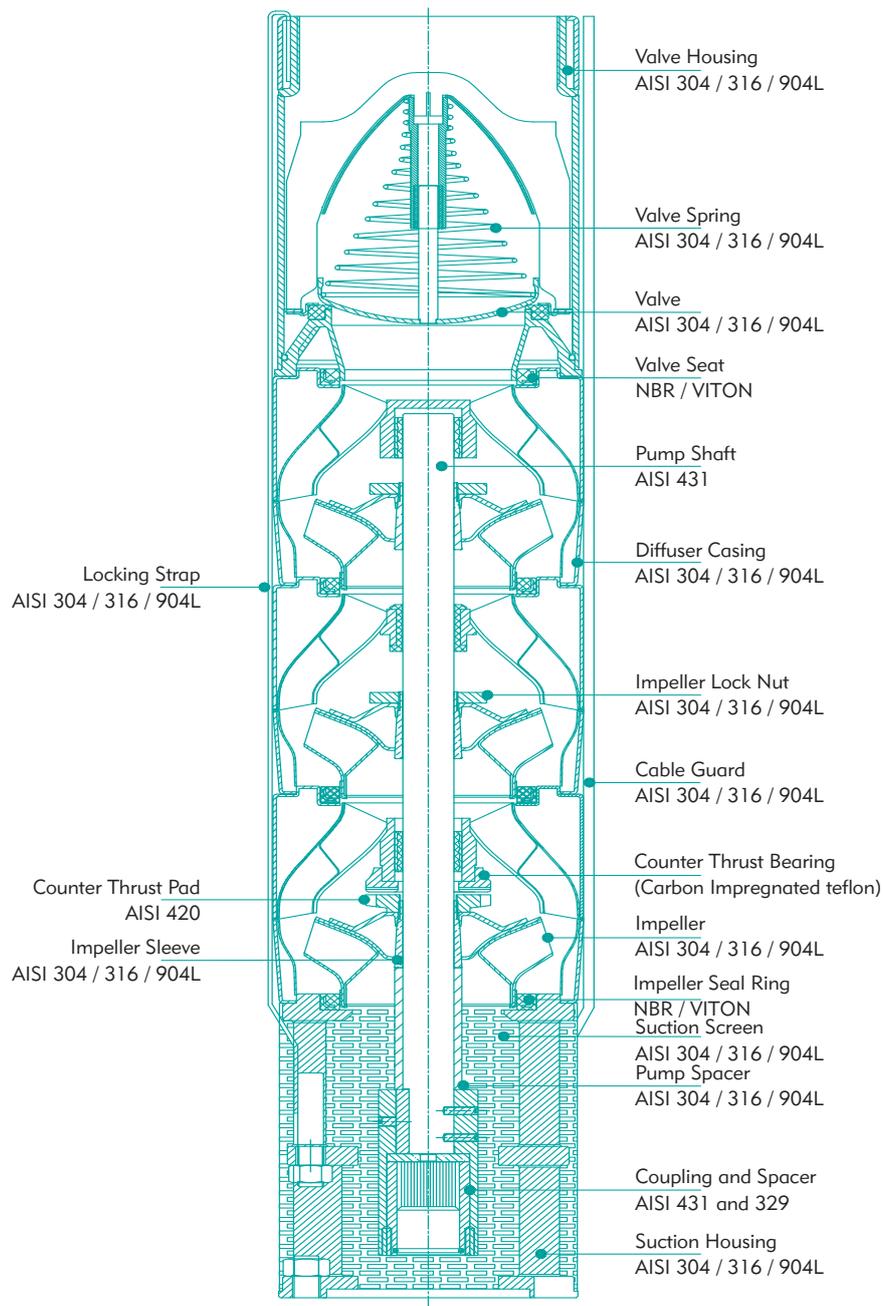
a.	The Performance curves show pump performance at rated speed and voltage. (2900 rpm)	e.	The head and discharge curves are inclusive of check valve and suction inter-connector losses at the actual speed.
b.	The measurements were made with airless water at 20°C. For pumping liquids with a density higher than that of water, motors with correspondingly higher outputs must be used.	f.	Efficiency curve: "EFF%" shows pump stage efficiency.
c.	Pipe friction losses have not been included in the performance curves and performance tables.	g.	Curve tolerance according to ISO : 9906, Annex-A.
d.	The bold curves indicate the recommended performance range.	h.	The performance are at rated voltage and are only Indicative. Actual discharge depends on availability of water in well, based on strength of water source, height of water column, submergence of pump, etc.,
		i.	The given performance are for a specific material of construction of pump.

Available material of construction: TS (AISI 304), TN (AISI 316), TL (AISI 904L).
The given performance ranges are same for versions TS,TN&TL.

CONSTRUCTIONAL DATA

125, 160 & 215 m³/hr

10" > TS Series > Version TS / TN / TL > Constructional Data of Semi - Axial Flow Pump



Pump Version - TS = AISI 304 Construction
 Pump Version - TN = AISI 316 Construction
 Pump version - TL = AISI 904L Construction
 NEMA mounting dimensions.

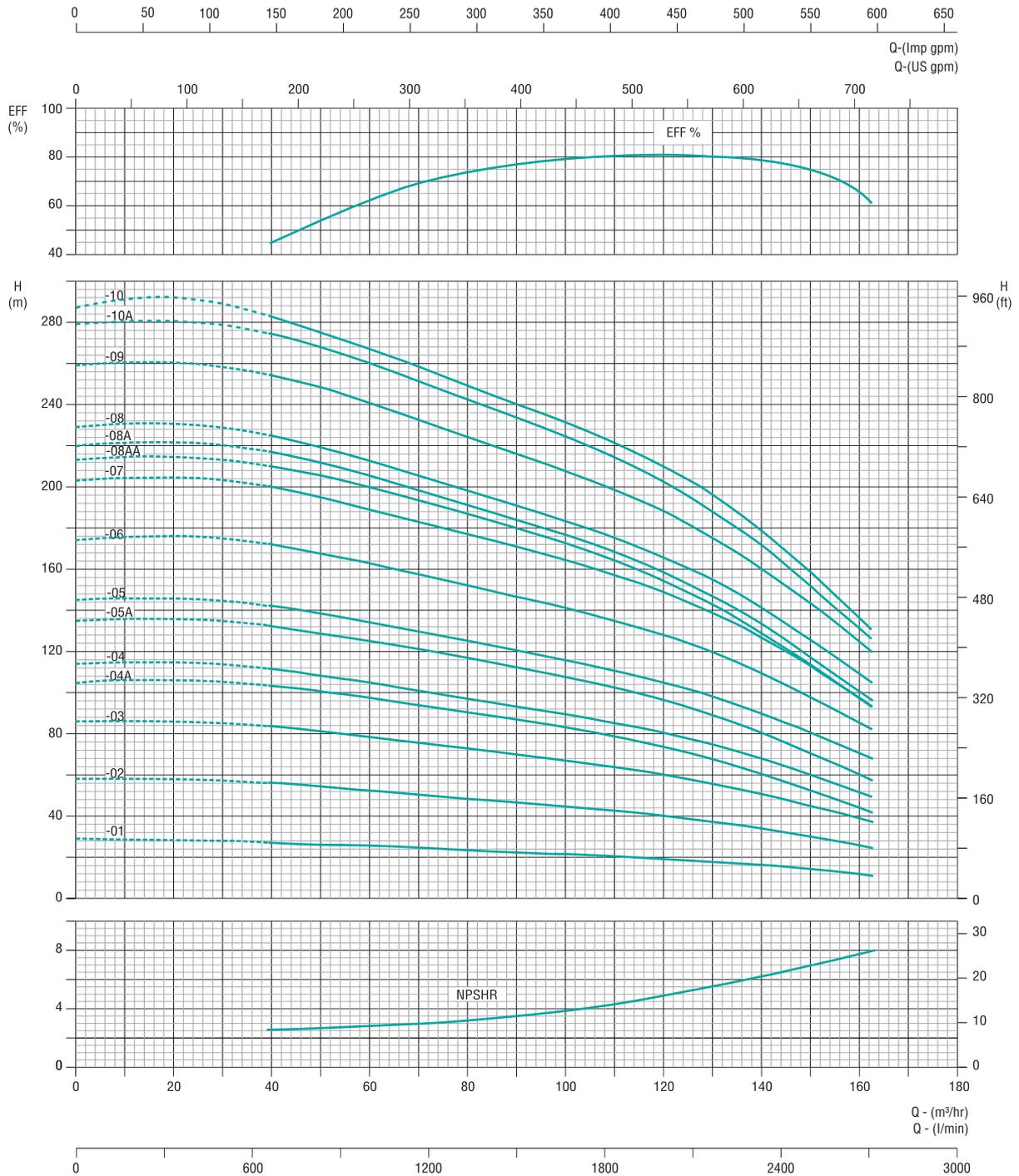
PERFORMANCE CURVES

TS / TN / TL SERIES > 10" > 125 m³/hr

Model : **TS250-125**

Outlet Size : **6"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS / TN / TL SERIES > 10" > 125 m³/hr

Model : **TS250-125**

Outlet Size : **6"**

2900 rpm

Pump Model*	Motor		lpm m ³ /hr	0	832.8	1249.8	1666	2082.5	2499.6	2700
	kW	HP		0	50	75	100	125	150	162
TS250-125-01-6	11	15	Total Dynamic Head in Meters	29	26	24	21	18	14	12
TS250-125-02-6	22	30		58	56	49	44	38	30	25
TS250-125-03-6	30	40		86	81	74	66	56	45	37
TS250-125-04A-8	37	50		105	100	92	83	70	52	43
TS250-125-04-8	45	60		114	108	99	90	78	60	50
TS250-125-05A-8	45	60		135	129	119	108	93	70	58
TS250-125-05-8	55	75		144	134	127	116	102	80	68
TS250-125-06-8	63	85		174	166	154	140	123	97	93
TS250-125-07-8	75	100		202	194	180	164	144	114	97
TS250-125-08A-8	75	100		213	204	190	172	148	114	94
TS250-125-08AA-8	75	100		220	212	194	176	152	117	97
TS 250-125-08-8	75	100		228	219	202	183	160	124	106
TS250-125-09-8	93	125		259	238	228	208	182	142	122
TS250-125-10A-8	93	125		279	268	247	226	195	152	127
TS250-125-10-8	93	125		287	274	254	231	204	158	132

* For AISI 316 replace TS with TN : Performance Data remains same.

* For AISI 904L replace TS with TL : Performance Data remains same.

* A - One Impeller Trimmed

* AA - Two Impeller Trimmed

Nett Weights & Dimensions

Pump Model*	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS250-125-01-6	11	15	225	644	31
TS250-125-02-6	22	30	225	798	37
TS250-125-03-6	30	40	225	952	43
TS250-125-04A-8	37	50	225	1106	49
TS250-125-04-8	45	60	225	1106	49
TS250-125-05A-8	45	60	225	1260	55
TS250-125-05-8	55	75	225	1260	55
TS250-125-06-8	63	85	225	1414	61
TS250-125-07-8	75	100	225	1568	67
TS250-125-08A-8	75	100	225	1722	74
TS250-125-08AA-8	75	100	225	1722	74
TS 250-125-08-8	75	100	225	1722	74
TS250-125-09-8	93	125	225	1876	80
TS250-125-10A-8	93	125	225	2030	86
TS250-125-10-8	93	125	225	2030	86



** A/AA denotes abridged version

All performance data is based on rated input.

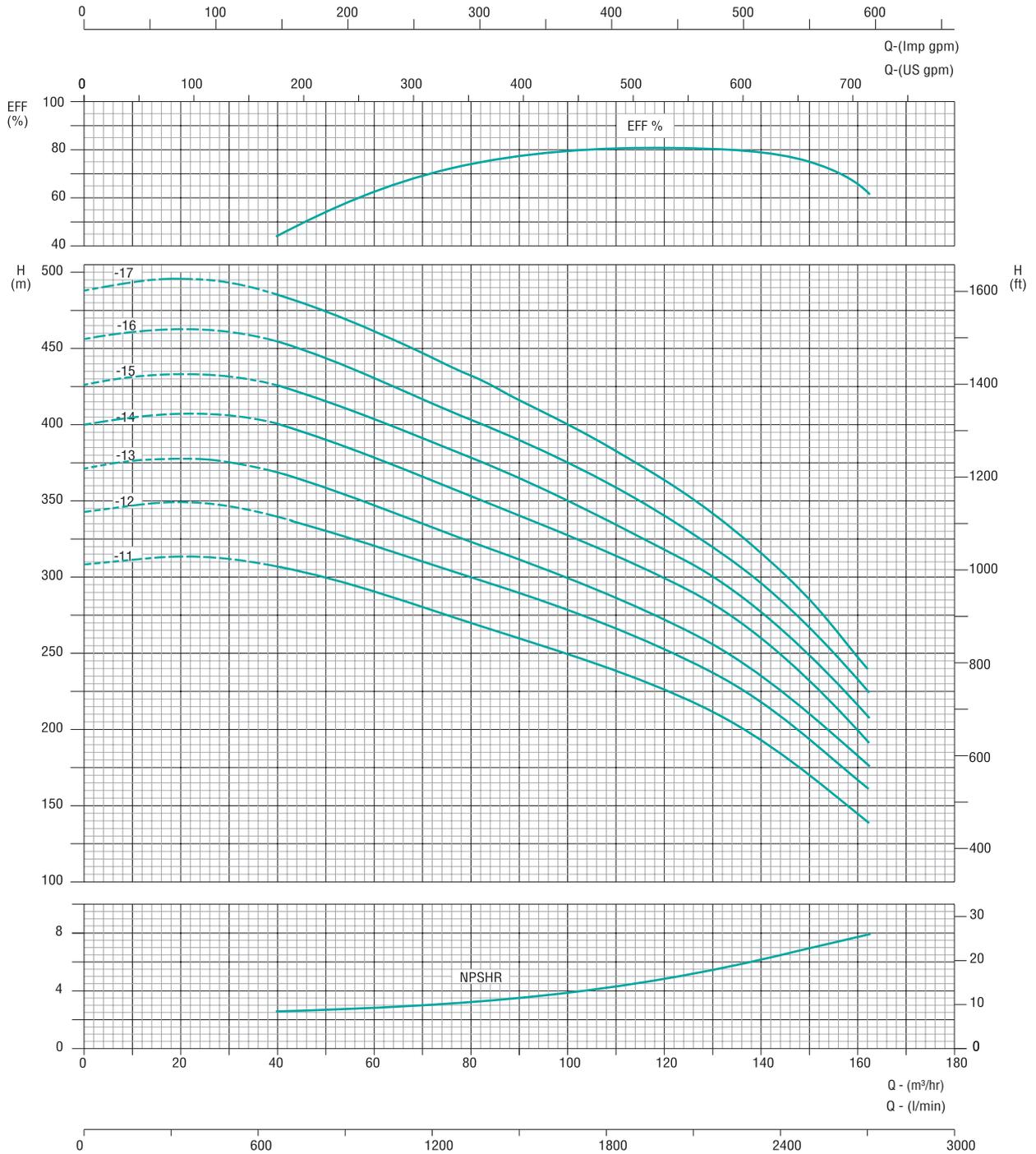
PERFORMANCE CURVES

TS / TN / TL SERIES > 10" > 125 m³/hr

Model : **TS250-125**

Outlet Size : **6"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS / TN / TL SERIES > 10" > 125 m³/hr

Model : **TS250-125**

Outlet Size : **6"**

2900 rpm

Pump Model*	Motor		lpm m ³ /hr	0	832.8	1249.8	1666	2082.5	2499.6	2700
	kW	HP		0	50	75	100	125	150	162
TS250-125-11	110	150	Total Dynamic Head in Meters	308	300	274	249	219	170	140
TS250-125-12	130	175		343	330	305	278	246	192	162
TS250-125-13	130	175		372	358	328	299	264	210	177
TS250-125-14	150	200		400	390	360	328	292	232	192
TS250-125-15	150	200		426	416	384	351	310	248	209
TS250-125-16	170	225		456	443	410	376	330	265	225
TS250-125-17	170	225		488	473	440	400	352	286	240

* For AISI 316 replace TS with TN : Performance Data remains same.
 * For AISI 904L replace TS with TL : Performance Data remains same.

Nett Weights & Dimensions

Pump Model*	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS250-125-11	110	150	225	2184	92
TS250-125-12	130	175	225	2338	98
TS250-125-13	130	175	225	2492	104
TS250-125-14	150	200	225	2646	120
TS250-125-15	150	200	225	2800	131
TS250-125-16	170	225	225	2954	142
TS250-125-17	170	225	225	3108	152

All performance data is based on rated input.



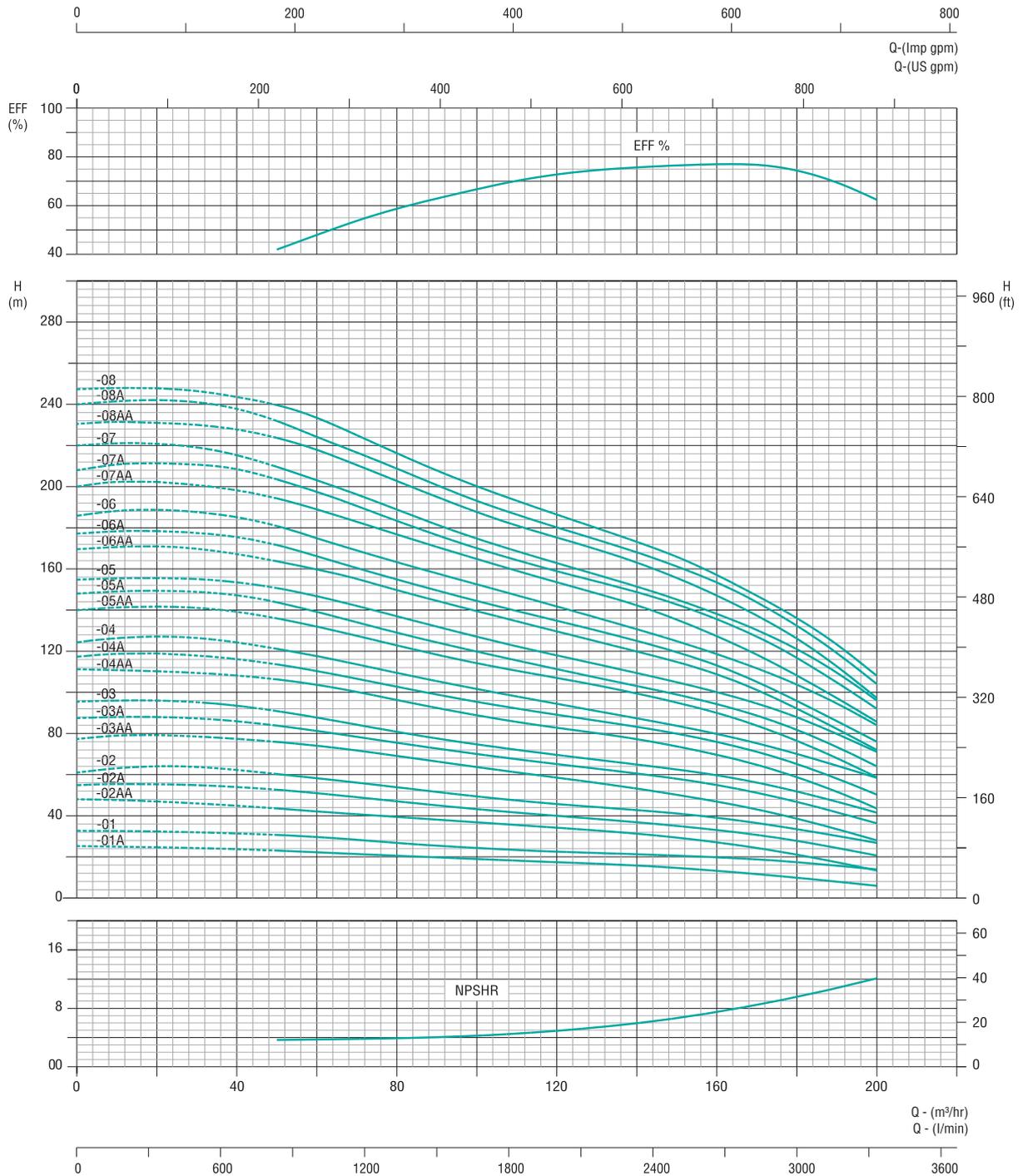
PERFORMANCE CURVES

TS / TN / TL SERIES > 10" > 160 m³/hr

Model : **TS250-160**

Outlet Size : **6"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS / TN / TL SERIES > 10" > 160 m³/hr

Model : **TS250-160**

Outlet Size : **6"**

2900 rpm

Pump Model*	Motor		lpm m ³ /hr	0	833.4	1333	2000	2666	3332
	kW	HP		0	50	80	120	160	200
TS250-160-01A-6	9.3	12.5	Total Dynamic Head in Meters	25	22	20.5	17	13	6
TS250-160-01-6	13	17.5		33	30	26.5	23	20	14.5
TS250-160-02AA-6	18.5	25		48	44	39	34	27	14
TS250-160-02A-6	22	30		55	52	47	40	33	20.5
TS250-160-02-6	26	35		61	60	54	46	39	27
TS250-160-03AA-6	30	40		77	75	69	59	47	28
TS250-160-03A-8	37	50		87.5	84	76	65	55	36
TS250-160-03-8	37	50		95.5	91	80.5	70	60	41
TS250-160-04AA-8	45	60		111	106	96	83	70	44
TS250-160-04A-8	45	60		117	114	103	88.5	76	50
TS250-160-04-8	55	75		124.5	120	110	95	80	59
TS250-160-05AA-8	55	75		140	136	123	107	90	59.5
TS250-160-05A-8	55	75		148	144	129	111	95	64
TS250-160-05-8	63	85		155	150	136.5	118	100	71
TS250-160-06AA-8	63	85		169	163	150	129	108.5	72
TS250-160-06A-8	75	100		177	170	155	135	113	76
TS250-160-06-8	75	100		186	180	165	142	119	84
TS250-160-07AA-8	75	100		200	193	177	153	127	86
TS250-160-07A-8	93	125		208	203	184	159	136	92
TS250-160-07-8	93	125		220	209	188.5	163	138	96
TS250-160-08AA-8	93	125		230	223	203	175	147	97
TS250-160-08A-8	93	125		240	231	209	180	153	104
TS250-160-08-8	93	125		247.5	239	216	188.5	156.5	108

* For AISI 316 replace TS with TN : Performance Data remains same.

* For AISI 904L replace TS with TL : Performance Data remains same.

* A - One Impeller Trimmed

* AA - Two Impeller Trimmed

Nett Weights & Dimensions

Pump Model*	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS250-160-01A-6	9.3	12.5	225	646	30
TS250-160-01-6	13	17.5	225	646	30
TS250-160-02AA-6	18.5	25	225	802	36
TS250-160-02A-6	22	30	225	802	36
TS250-160-02-6	26	35	225	802	36
TS250-160-03AA-6	30	40	225	958	43
TS250-160-03A-8	37	50	225	958	43
TS250-160-03-8	37	50	225	958	43
TS250-160-04AA-8	45	60	225	1114	49
TS250-160-04A-8	45	60	225	1114	49
TS250-160-04-8	55	75	225	1114	49
TS250-160-05AA-8	55	75	225	1270	56
TS250-160-05A-8	55	75	225	1270	56
TS250-160-05-8	63	85	225	1270	56
TS250-160-06AA-8	63	85	225	1426	62
TS250-160-06A-8	75	100	225	1426	62
TS250-160-06-8	75	100	225	1426	62
TS250-160-07AA-8	75	100	225	1582	68
TS250-160-07A-8	93	125	225	1582	68
TS250-160-07-8	93	125	225	1582	68
TS250-160-08AA-8	93	125	225	1738	74
TS250-160-08A-8	93	125	225	1738	74
TS250-160-08-8	93	125	225	1738	74

** A/AA denotes abridged version

All performance data is based on rated input.



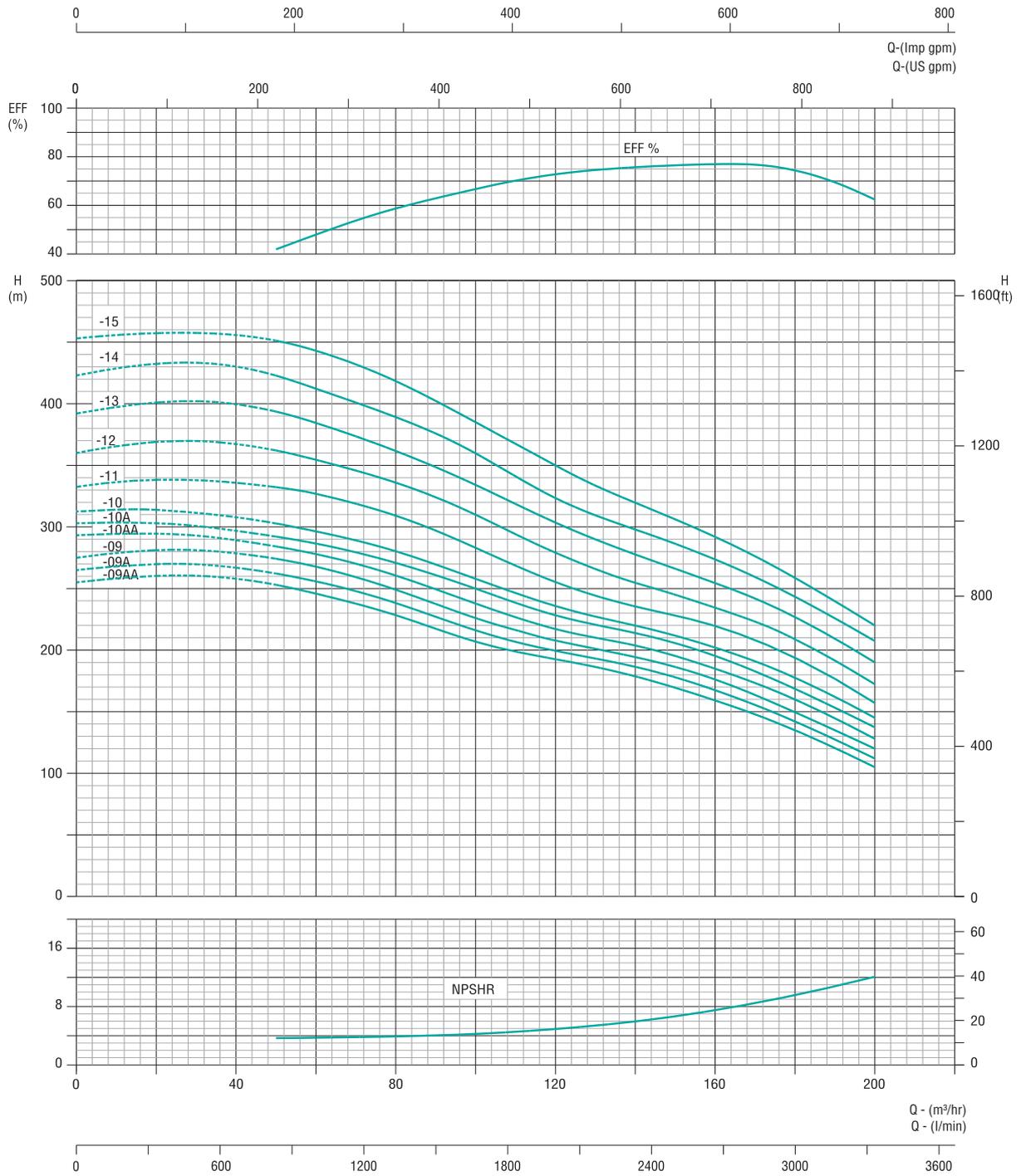
PERFORMANCE CURVES

TS / TN / TL SERIES > 10" > 160 m³/hr

Model : **TS250-160**

Outlet Size : **6"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS / TN / TL SERIES > 10" > 160 m³/hr

Model : **TS250-160**

Outlet Size : **6"**

2900 rpm

Pump Model*	Motor		lpm m ³ /hr	0	833.4	1333	2000	2666	3332
	kW	HP		0	50	80	120	160	200
TS250-160-09AA	110	150	Total Dynamic Head in Meters	255	251	229	193	160	105
TS250-160-09A	110	150		265	263	238	200	167	112
TS250-160-09	110	150		275	273	249	207	176	120
TS250-160-10AA	110	150		294	283	260	218	185	178
TS250-160-10A	130	175		304	289	270	228	195	138
TS250-160-10	130	175		310	300	280	233	200	140
TS250-160-11	130	175		333	328	309	255	220	156
TS250-160-12	150	200		360	358	338	279	235	173
TS250-160-13	170	225		392	389	362	304	255	190
TS250-160-14	170	225		423	418	389	324	274	208
TS250-160-15	187	250		453	450	419	350	292	220

* For AISI 316 replace TS with TN : Performance Data remains same.

* For AISI 904L replace TS with TL : Performance Data remains same.

* A - One Impeller Trimmed

* AA - Two Impeller Trimmed

Nett Weights & Dimensions

Pump Model*	Power		Dimensions in mm		Nett Weight (kg)
	kW	HP	D	H	
TS250-160-09AA	110	150	225	1894	83
TS250-160-09A	110	150	225	1894	83
TS250-160-09	110	150	225	1894	83
TS250-160-10AA	110	150	225	2050	90
TS250-160-10A	130	175	225	2050	90
TS250-160-10	130	175	225	2050	90
TS250-160-11	130	175	225	2206	96
TS250-160-12	150	200	225	2362	107
TS250-160-13	170	225	225	2518	113
TS250-160-14	170	225	225	2674	119
TS250-160-15	187	250	225	2830	125



** A/AA denotes abridged version

All performance data is based on rated input.

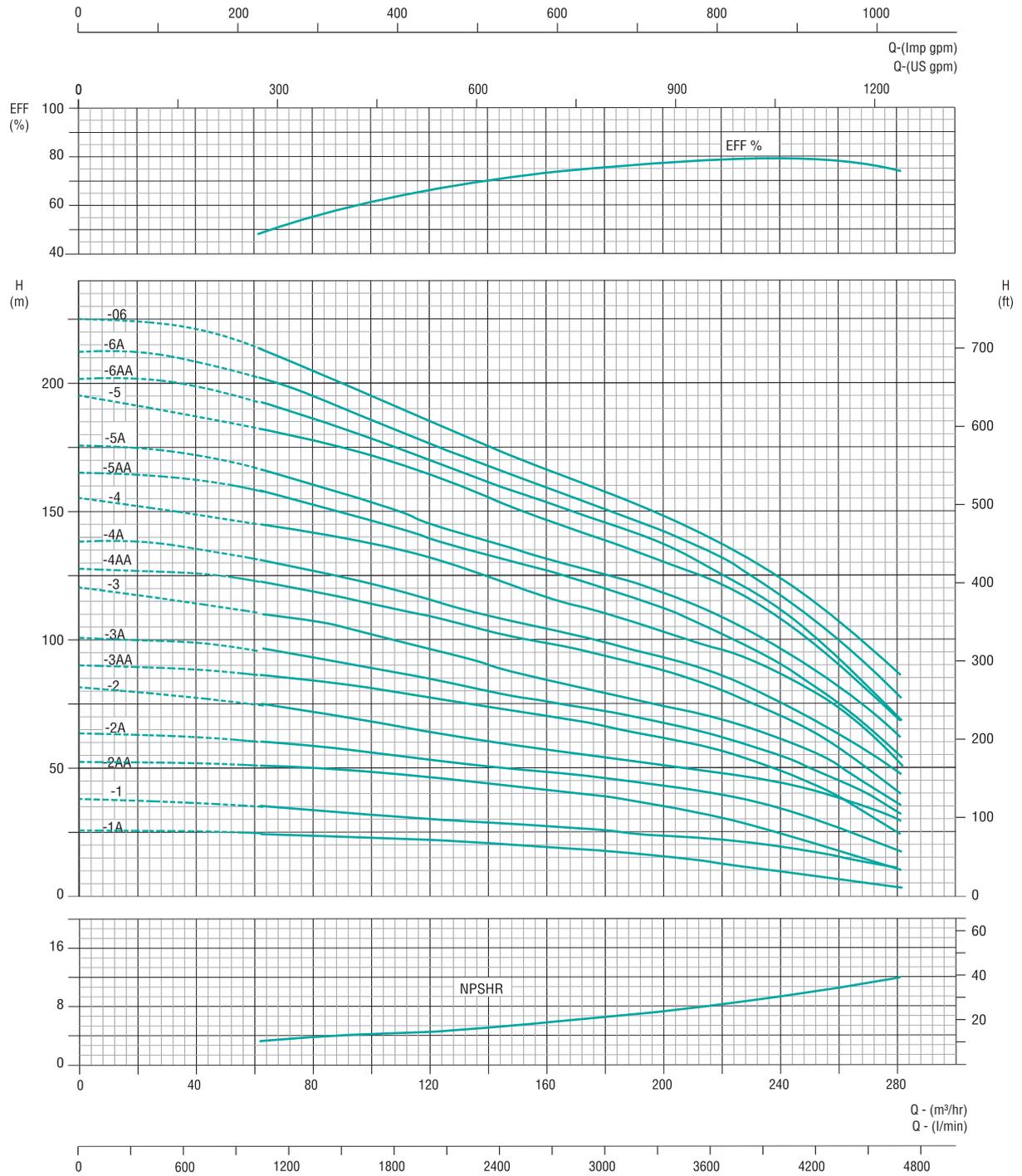
PERFORMANCE CURVES

TS / TN / TL SERIES > 10" > 215 m³/hr

Model : **TS250-215**

Outlet Size : **6"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS / TN / TL SERIES > 10" > 215 m³/hr

Model : **TS250-215**

Outlet Size : **6"**

2900 rpm

Pump Model*	Power		lpm m ³ /hr	0	833.4	1666.8	2500.2	3332	3582	4165	4665
	kW	HP		0	50	100	150	200	215	250	280
TS250-215-01A-6	15	20	Total Dynamic Head in Meters	26	25	23	19	15	13	7	4
TS250-215-01-6	18.5	25		38	36	32	27	23.5	22	16.5	10.5
TS250-215-02AA-6	30	40		53	52	49	42	35	31	21	11
TS250-215-02A-8	37	50		64	61	55	49	42	40	30	18
TS250-215-02-8	45	60		82	76	68	58	50	48	41	29.5
TS250-215-03AA-8	55	75		90	88	80	71	61	58	43	24
TS250-215-03A-8	55	75		101	97	88	76	66	63	49	33
TS250-215-03-8	63	85		120	112	102	87	74	70	56	32
TS250-215-04AA-8	75	100		127	125	114	101	86	81	64	40
TS250-215-04A-8	75	100		138	134	121	106	92	87	70	48
TS250-215-04-8	75	100		156	147	137	120	102	97	80	52
TS250-215-05AA-8	93	125		165	161	146	129	111	105	83	55
TS250-215-05A-8	93	125		175	170	153	134	118	110	89	63
TS250-215-05-8	93	125		196	185	172	150	128	123	100	69
TS250-215-06AA	110	150		201	196	178	156	136	128	101	70
TS250-215-06A	110	150		212	206	186	163	141	134	109	78
TS250-215-06	110	150		225	218	195	170	148	140	115	86

* For AISI 316 replace TS with TN : Performance Data remains same.

* For AISI 904L replace TS with TL : Performance Data remains same.

* A - One Impeller Trimmed

* AA - Two Impeller Trimmed

Nett Weights & Dimensions

Pump Model*	Power		Dimensions in mm			Nett Weight (kg)
	kW	HP	D ₁	D ₂	H	
TS250-215-01A-6	15	20	255	259	794	47
TS250-215-01-6	18.5	25	255	259	794	47
TS250-215-02AA-6	30	40	255	259	670	60
TS250-215-02A-8	37	50	255	259	670	60
TS250-215-02-8	45	60	255	259	670	60
TS250-215-03AA-8	55	75	255	259	1146	80
TS250-215-03A-8	55	75	255	259	1146	80
TS250-215-03-8	63	85	255	259	1146	80
TS250-215-04AA-8	75	100	255	259	1322	92
TS250-215-04A-8	75	100	255	259	1322	92
TS250-215-04-8	75	100	255	259	1322	92
TS250-215-05AA-8	93	125	255	259	1498	105
TS250-215-05A-8	93	125	255	259	1498	105
TS250-215-05-8	93	125	255	259	1498	105
TS250-215-06AA	110	150	255	259	1674	117
TS250-215-06A	110	150	255	259	1674	117
TS250-215-06	110	150	255	259	1674	117



** A/AA denotes abridged version

All performance data is based on rated input.

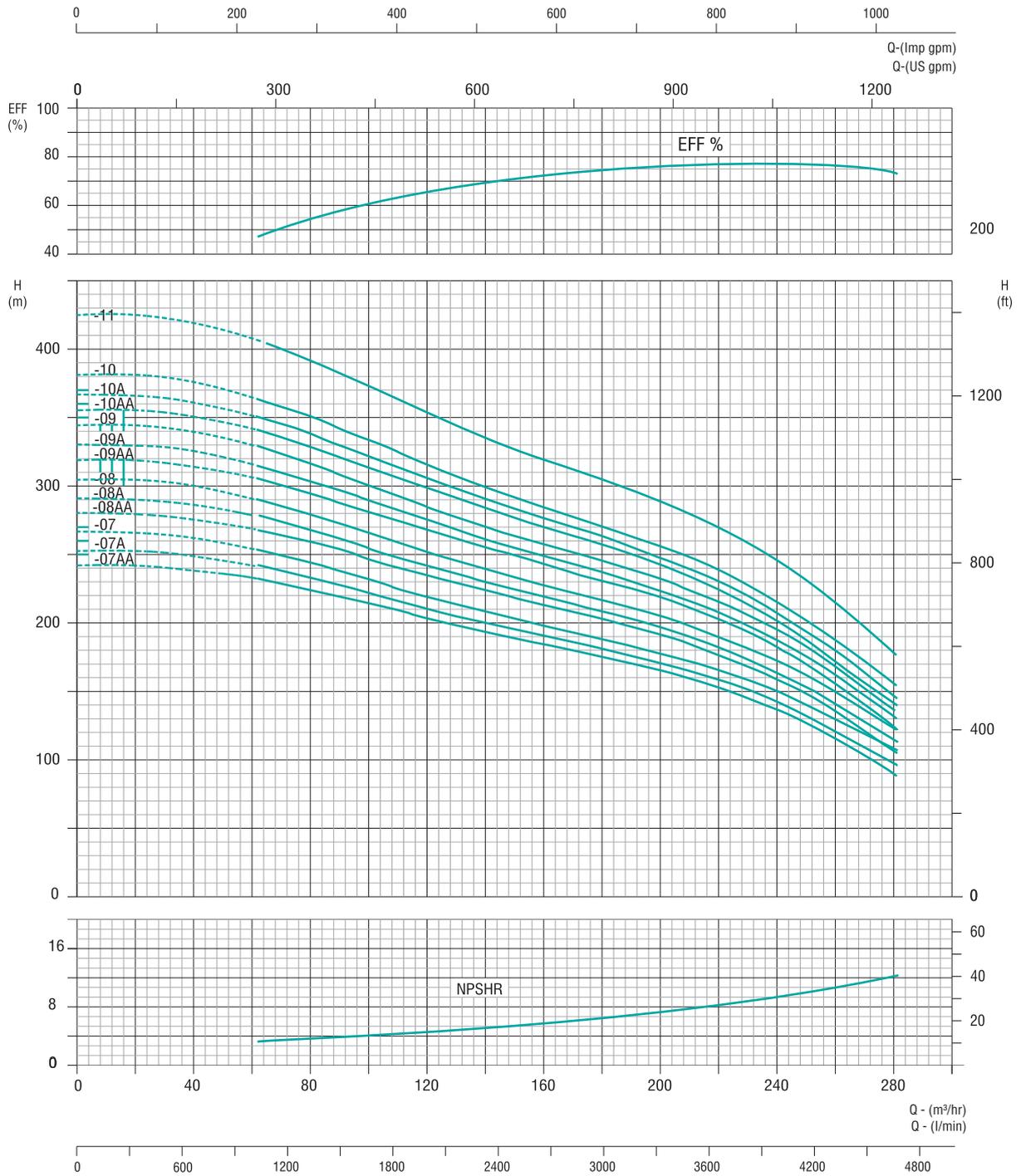
PERFORMANCE CURVES

TS / TN / TL SERIES > 10" > 215 m³/hr

Model : **TS250-215**

Outlet Size : **6"**

2900 rpm



Curve tolerance according to ISO 9906:2012, Grade 3B

PERFORMANCE DATA

TS / TN / TL SERIES > 10" > 215 m³/hr

Model : **TS250-215**

Outlet Size : **6"**

2900 rpm

Pump Model*	Power		lpm m ³ /hr	0	833.4	1666.8	2500.2	3332	3582	4165	4665
	kW	HP		0	50	100	150	200	215	250	280
TS250-215-07AA	130	175	Total Dynamic Head in Meters	242	236	214	189	165	156	126	90
TS250-215-07A	130	175		252	246	222	195	171	162	133	99
TS250-215-07	130	175		267	258	232	203	178	169	140	107
TS250-215-08AA	150	200		281	273	248	218	191	181	148	106
TS250-215-08A	150	200		286	282	255	225	197	186	153	114
TS250-215-08	150	200		308	295	265	232	204	194	161	124
TS250-215-09AA	170	225		319	311	281	249	218	206	169	124
TS250-215-09A	170	225		330	321	290	255	224	213	175	132
TS250-215-09	170	225		344	335	300	263	231	219	183	140
TS250-215-10AA	187	250		355	346	314	277	242	230	183	138
TS250-215-10A	187	250		367	356	322	283	248	235	195	146
TS250-215-10	187	250		381	370	338	291	256	245	201	156
TS250-215-11	220	300		425	414	373	327	290	275	230	179

* For AISI 316 replace TS with TN : Performance Data remains same.
 * For AISI 904L replace TS with TL : Performance Data remains same.
 * A - One Impeller Trimmed
 * AA - Two Impeller Trimmed

Nett Weights & Dimensions

Pump Model*	Power		Dimensions in mm			Nett Weight (kg)
	kW	HP	D ₁	D ₂	H	
TS250-215-07AA	130	175	255	259	1850	130
TS250-215-07A	130	175	255	259	1850	130
TS250-215-07	130	175	255	259	1850	130
TS250-215-08AA	150	200	255	259	2026	142
TS250-215-08A	150	200	255	259	2026	142
TS250-215-08	150	200	255	259	2026	142
TS250-215-09AA	170	225	255	259	2202	155
TS250-215-09A	170	225	255	259	2202	155
TS250-215-09	170	225	255	259	2202	155
TS250-215-10AA	187	250	255	259	2378	167
TS250-215-10A	187	250	255	259	2378	167
TS250-215-10	187	250	255	259	2378	167
TS250-215-11	220	300	282	286	2554	180



** A/AA denotes abridged version
 All performance data is based on rated input.

CABLE SELECTION CHART

For Three Phase 6 wire (S.D.) Motor Maximum Length of Copper Cable

Motor Rating			Cable Size In American Wire Gauge																						
VOLTS	kW	HP	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630				
380 - 415 VOLT 50Hz	5.5	7.5	91	143	234	351	572	896	1377	1884															
	7.5	10	65	104	169	260	403	650	974	1338															
	9.3	12.5		91	143	221	364	572	870	1182	1624														
	11	15		78	130	182	299	481	714	974	1377	1832													
	13	17.5			104	143	260	403	611	844	1156	1533													
	15	20			91	130	221	351	533	740	1026	1364	1741												
	18.5	25				104	182	273	429	585	799	1065	1364	1624											
	22	30					156	234	364	494	688	922	1169	1403	1650										
	26	35					130	195	299	403	572	792	1000	1221	1429	1650									
	30	40					117	169	273	364	520	675	870	1013	1208	1390	1624								
	37	50						143	221	299	416	546	701	831	974	1117	1312	1494							
	45	60							182	247	338	468	598	727	870	1013	1208	1377							
	55	75								208	286	377	494	611	714	831	987	1137							
	63	85									188	260	299	442	546	637	740	870	1000						
	75	100										208	286	377	455	533	611	727	831	974					
	93	125											170	234	299	364	429	494	585	662	779				
	110	150												260	312	377	429	520	598	701	786				
	130	175													221	266	325	377	442	520	598	688	760		
	150	200														234	279	325	390	455	539	604	669		
	166	225															234	286	338	390	455	520	578		
185	250																260	312	364	429	481	539			
220	300																	247	286	331	372	410			
260	350																		247	286	325	357			
300	400																			214	247	273	312		

Maximum Length in Meters

The given cable lengths are the maximum one from POWER TO MOTOR, Exceeding the lengths mentioned will void warranty.

CONVERSION CHART

Flow Rate

litre per second l/s	litre per minute l/min	cubic meter per hour m ³ /h	cubic foot per hour ft ³ /h	cubic foot per minute ft ³ /min	Imp.gallon per minute Imp.gal./min	US gallon per minute Us gal./min	Us barrel per day Is barrel/d (Petroleum)
1	60	3.6	127.133	2.1189	13.2	15.85	543.439
0.017	1	0.06	2.1189	0.0353	0.22	0.264	9.057
0.278	16.667	1	35.3147	0.5886	3.666	4.403	150.955
0.008	0.472	0.0283	1	0.0167	0.104	0.125	4.275
0.472	28.317	1.6990	60	1	6.229	7.480	256.475
0.076	4.546	0.2728	9.6326	0.1605	1	1.201	41.175
0.063	3.785	0.2271	8.0209	0.1337	0.833	1	34.286
0.002	0.110	0.0066	0.2339	0.0039	0.024	0.029	1

Liquid

Cubic meter m ³	litre l	Milli litre ml	Imp. gallon Imp. Gal	US gallon US gal	cubic foot ft ³
1	1000	1 x 10 ⁶	220	264.2	35.3147
0.001	1	1000	0.22	0.2642	0.0353
1 x 10 ⁻⁶	0.001	1	2.2 X 10 ⁻⁴	2.642 x 10 ⁻⁴	3.53 x 10 ⁻⁵
0.00455	4.546	4546	1	1.201	0.1605
0.00378	3.785	3785	0.8327	1	0.1337
0.0283	28.317	28317	6.2288	7.4805	1

Liquid Head and Pressure

newton per square meter N/m ² (Pa)	kilo pascal kPa	bar	kilogram force per square centimeter Kgf/cm ²	pound force per square inch psi	foot for water ft H ₂ O	meter of water m H ₂ O	millimeter of mercury mm Hg	inch of mercury in Hg
1	0.001	1 x 10 ⁻⁵	1.02 x 10 ⁻⁵	1.45 x 10 ⁻⁴	3.35 x 10 ⁻⁴	1.02 x 10 ⁻⁴	0.0075	2.95 x 10 ⁻⁴
1000	1	0.01	0.0102	0.145	0.335	0.102	7.5	0.295
1 x 10 ⁵	100	1	1.02	14.5	33.52	10.2	750.1	29.53
98,067	98.07	0.981	1	14.22	32.81	10	735.6	28.96
6895	6.895	0.069	0.0703	1	2.31	0.703	51.72	2.036
2984	2.984	0.03	0.0305	0.433	1	0.305	22.42	0.882
9789	9.789	0.098	0.1	1.42	3.28	1	73.42	2.891
133.3	0.133	0.0013	0.0014	0.019	0.045	0.014	1	0.039
3386	3.386	0.0338	0.0345	0.491	1.133	0.0345	25.4	1

Length

millimeter mm	centimeter cm	meter m	inch in	foot ft	yard yd
1	0.1	0.001	0.0394	0.0033	0.0011
10	1	0.01	0.3937	0.0328	0.0109
1000	100	1	39.3701	3.2808	1.0936
25.4	2.54	0.0254	1	0.0833	0.0278
304.8	30.48	0.3048	12	1	0.3333
914.4	91.44	0.9144	36	3	1

1 Kilometer = 1000 metres = 0.62137 miles 1 mile = 1609.37 metres = 1.60934 kilometers

Mass

kilogram kg	pound lb	hundred weight (cwt)	tonne t	ton long tn	short ton sh tn
1	2.205	0.0197	0.001	9.84 x 10 ⁻⁴	0.0011
0.454	1	0.0089	4.54 x 10 ⁻⁴	4.46 x 10 ⁻⁴	5.0 x 10 ⁻⁴
50.802	112	1	0.0508	0.05	0.056
1000	2204.6	19.684	1	0.9842	1.1023
1016	2240	20	1.0161	1	1.102
907.2	2000	17.857	0.9072	0.8929	1

Temperature

To Convert From	To	Use Formula
Temperature Celsius, tc	Temperature Kelvin, tk	K = tc + 273.15
Temperature Fahrenheit, tf	Temperature Kelvin, tk	K = (tf + 459.67 / 1.8)
Temperature Celsius, tc	Temperature Fahrenheit, tf	F = 1.8 tc + 32
Temperature Fahrenheit, tf	Temperature Celsius, tc	C = (tf - 32) / 1.8
Temperature Kelvin, tk	Temperature Celsius, tc	C = tk - 273.15
Temperature Kelvin, tk	Temperature Fahrenheit, tf	F = 1.8tk - 459.67



T H E P O W E R B E H I N D T H E F O R C E

Naargo Industries Private Limited, one of the leading manufacturers of latest state of art, large range of pumps and motors, is managed by veterans who are in the pump industry for almost half a century. The products are employed in various applications like irrigation, domestic, civil construction, de-watering etc; The Company has a strong distribution network in India for sales & service and a strong global presence.

Quality is the key factor in Naargo's products. The expansive infrastructure and environment accredited with ISO 9001 quality certification, latest engineering softwares, high-tech machinery, futuristic pumping technology and high caliber workforce facilitate the production of flawless and efficient products on par with international standards under the brand name of "Tormac". The well equipped R & D wing stays alive to the changing global trends and comes out with viable solutions for innovative product development and upgradation.

The Products currently available include Stainless Steel Submersible Pumps (SS 304, SS 316 & SS 904L), Submersible Motors (CI, SS 304, SS 316 & SS 904L - HT on optional), Starters & Control Panels, Centrifugal Monoblock Pumps, End Suction Pumps, Close Coupled Pumps, Horizontal Split Case Pumps, Horizontal & Vertical Multistage Pumps, Inline Booster Systems, Sewage, Drainage & Dewatering Pumps, Induction Motors, Submersible Cables, Riser Pipes and Column Pipes.

The power, performance and endurance of the products backed by the uncompromising teamwork and value systems will certainly propel the company's growth towards new horizons in the pump industry.

Naargo Industries Private Limited,

REG. OFFICE : No. 8/116, Ground Floor, Athipalayam Road, Chinnavedampatti,
Coimbatore North - 641049, Tamil Nadu, India. Tel : +91 978 6522622,
E-mail : tormac@tormacpumps.com, Web : www.tormacpumps.com