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THE TRUSTED CHOICE FOR
PRESSURE BOOSTING.



MULTISTAGE CENTRIFUGAL PUMPS - 50 Hz

Product from an ISO 9001 COMPANY



I N D E X

TH SERIES (HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS)

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TV SERIES (VERTICAL MULTISTAGE CENTRIFUGAL PUMPS)

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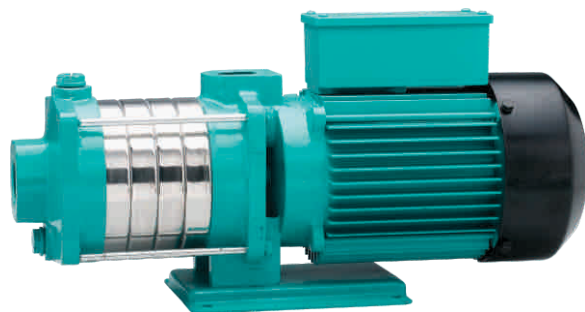
**HORIZONTAL
MULTISTAGE CENTRIFUGAL PUMPS
50 Hz**

TH SERIES

MH series pumps are single or multistage end suction and top discharge type supplied with radial flow impeller for higher head and flow requirement. These pumps are of centrifugal monoblock type equipped with totally enclosed single phase or three phase standard or premium efficiency motors for continuous duty. In addition to the standard design, the pumps are available in fully stainless steel construction for hygiene applications. All single phase pumps are thermally protected.

APPLICATIONS

- Utility water supply in residences and commercial buildings
- Pressure Boosting system
- RO System
- High pressure application in industries
- Jockey application in firefighting system
- Industrial washing and cleaning system
- Landscaping and gardening



DESIGN FEATURES

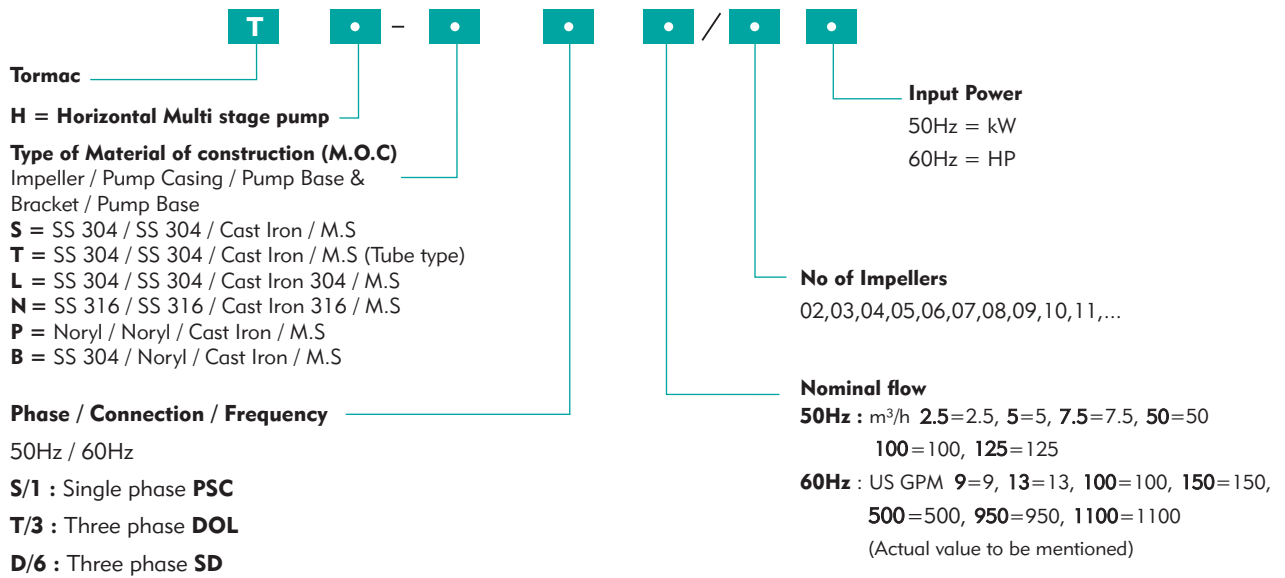
- High efficiency
- Wide hydraulic ranges
- Stainless steel wetted parts
- Thermal protection in single phase motor
- Optional premium efficiency motors in three phase design

PERFORMANCE CURVE CONDITIONS

a	Curve tolerance are according to ISO 9906, Grade 2B.
b	The performance are taken at rated voltage & speed that are only indicative.
c	Actual discharge depends on availability of water in well / tank, height of water column from the suction pipe.
d	Pipe fiction losses have not been included in the performance curves & performance tables.

e	The measurements were made with airless water at 20°C. When pumping liquids with a density higher than of water, motor with correspondingly higher output must be used.
f	The performance are taken at rated voltage & speed that are only indicative.
h	The bold curves indicate the recommended performance range.

MODEL CLASSIFICATION



OPERATING DATA - PUMP

Flow	Upto 14m ³ /h
Head	Upto 60m
Power Range	0.37 - 3kW
Speed	2900rpm
Inlet size	25 - 40mm
Outlet size	25 - 40mm
Liquid Temperature	-10°C to 70°C
Shaft seal	Mechanical seal
Impeller Type	Enclosed Radial Flow
Maximum Working Pressure	Upto 6bar

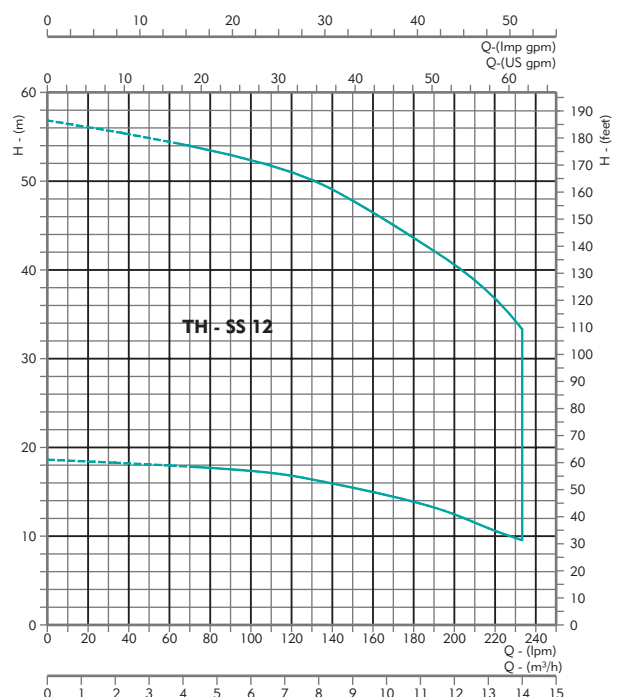
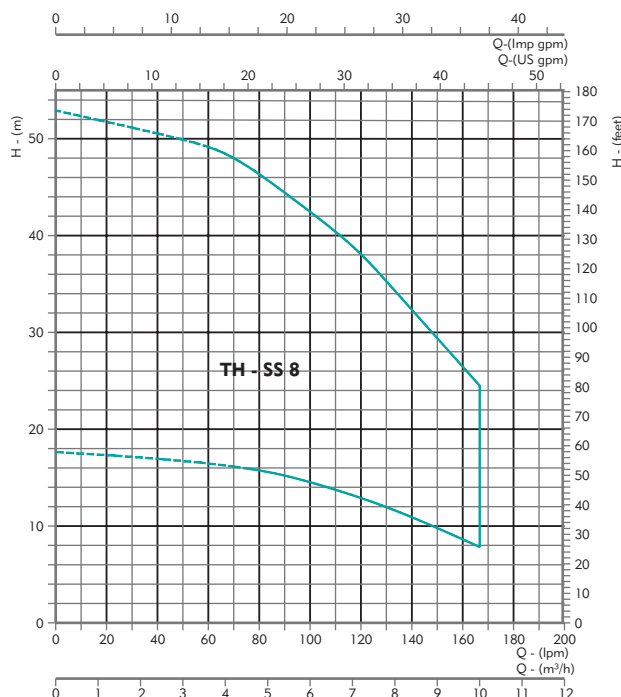
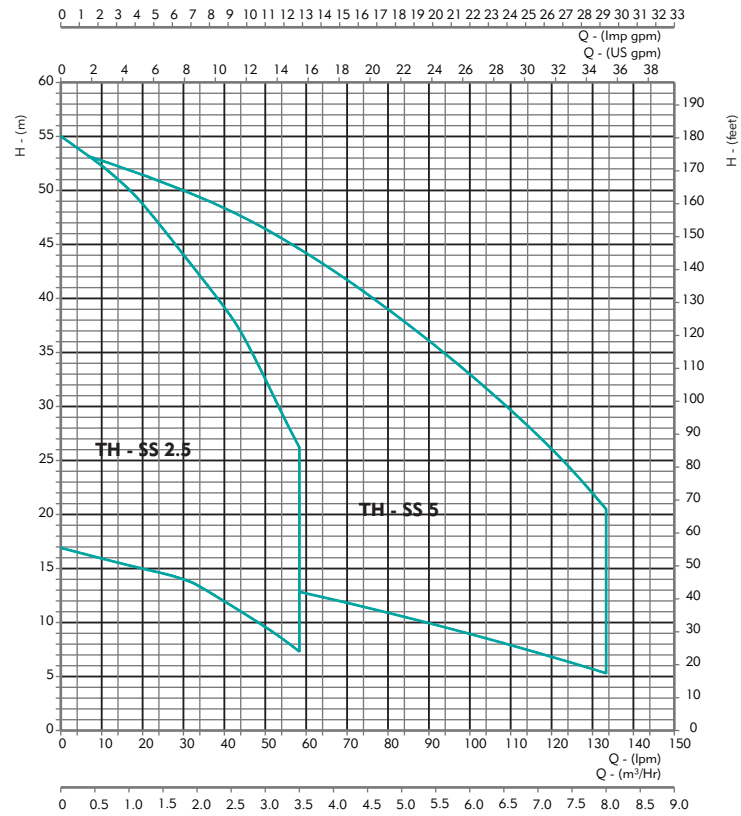
SPECIFICATIONS - MOTOR

Power Range(kW)	0.37 - 3kW - Single Phase 0.37 - 3kW - Three Phase
Voltage / Frequency	Single phase - 220-230V, 50Hz, A.C. Supply Three phase - 380-415V, 50Hz A.C. supply
Connection	Single phase, CSR - 0.37 & 1.1kW CSCR - 1.5 & 2.2kW Three Phase - DOL
Speed	2900 rpm
Duty	S1 Continuous
Degree of Protection	IP 55
Class of Insulation	F
IEC Efficiency Class - (Three Phase)	IE1 - Standard IE2 - Optional
Maximum Ambient Temp.	40°C

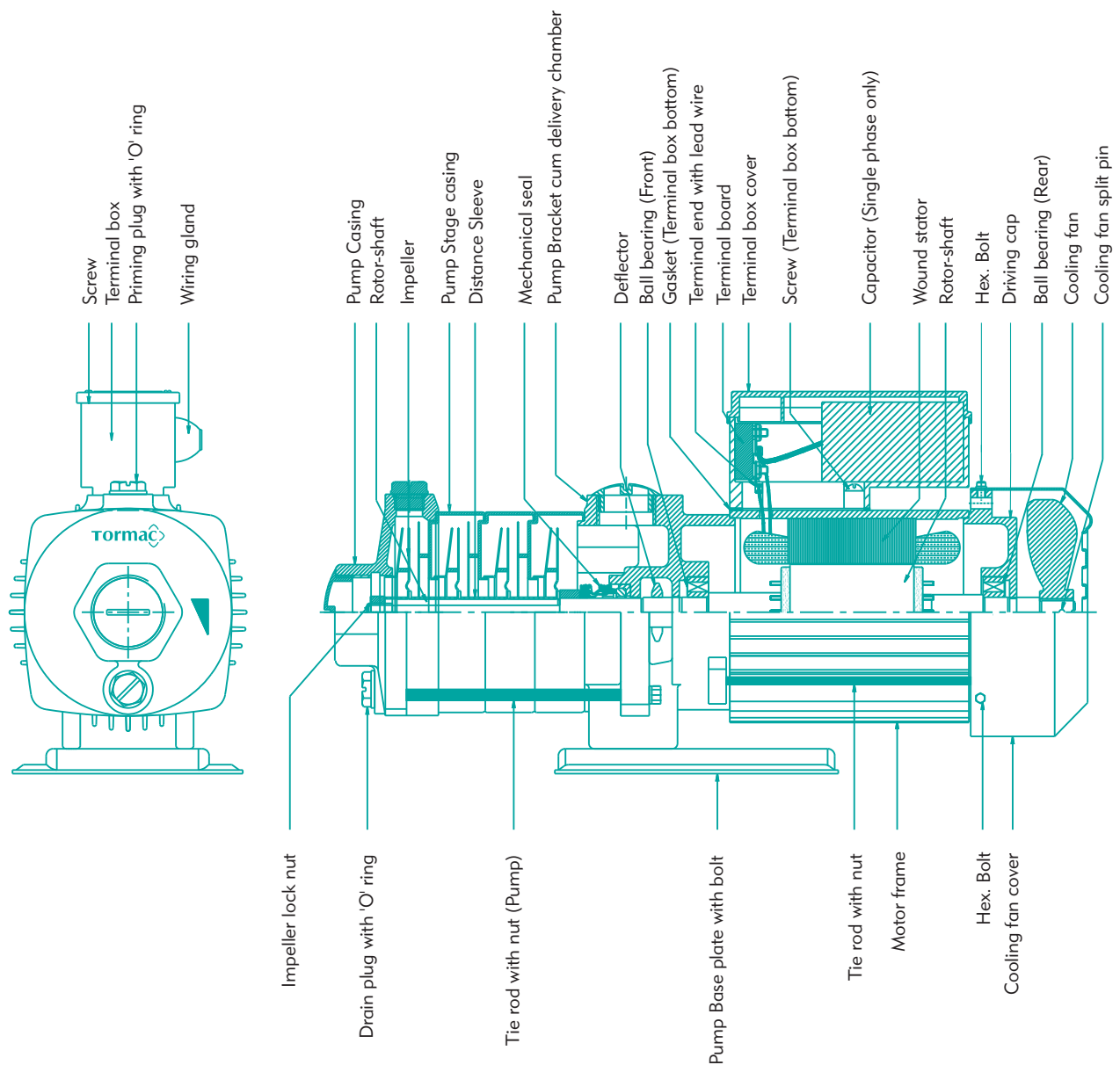
MATERIAL SPECIFICATIONS

PART NAME	THC/THS	THL	THN
Impeller	SS304	CF8	SS316
Diffuser	SS304	CF8	SS316
Bracket	Cast Iron	CF8	CF8M
Motor Frame	Aluminium	Aluminium	Aluminium
Shaft	SS431	SS431	SS329
Shaft Seal & Face Combination	Mechanical seal - (Silicon Carbide Vs Carbon / EPDM)	Mechanical seal - (Silicon Carbide Vs Carbon / EPDM)	Mechanical seal - (Silicon Carbide Vs Carbon / EPDM)
Base Plate	Mild Steel	Mild Steel	Mild Steel

GROUP PERFORMANCE CURVES

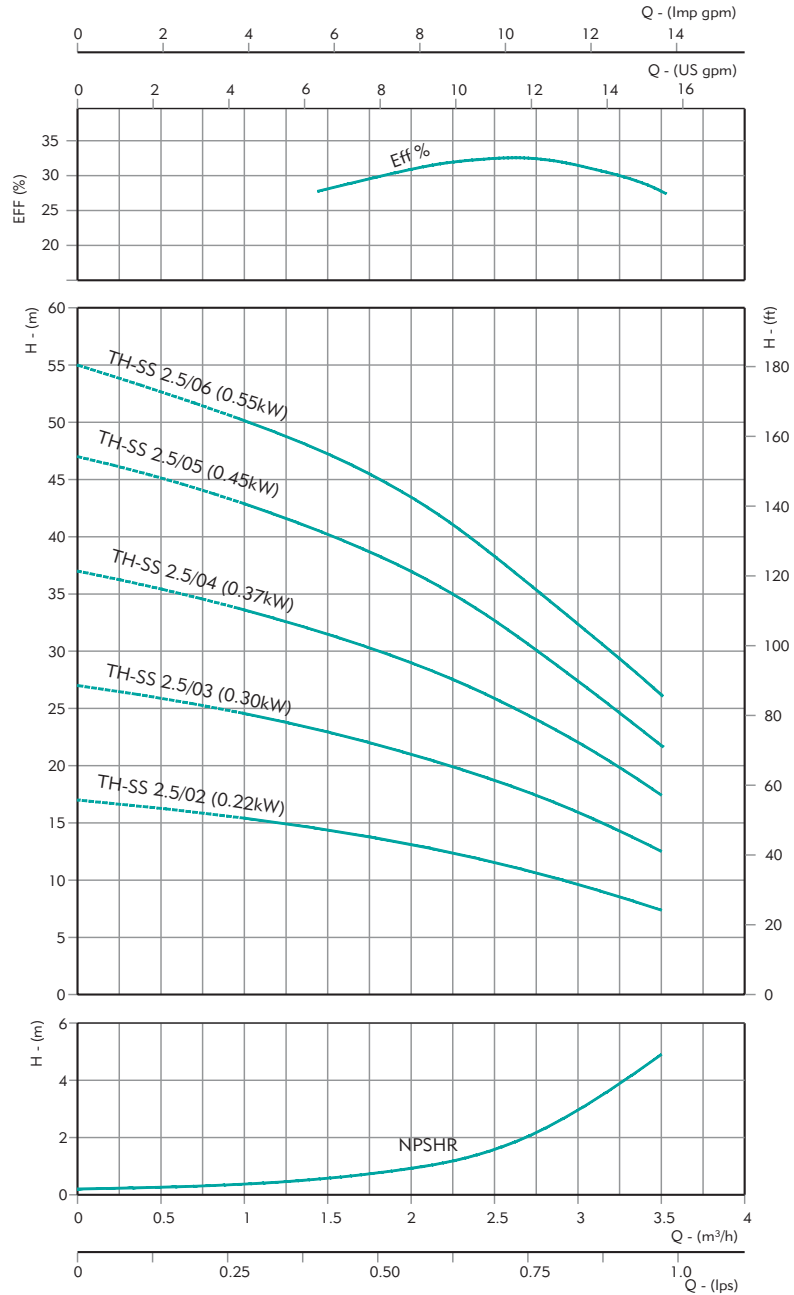


CONSTRUCTIONAL DATA



Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE CURVES & DATA



PIPE SIZE : 1" x 1" (NPT)

NOMINAL FLOW : 2.5m³/h

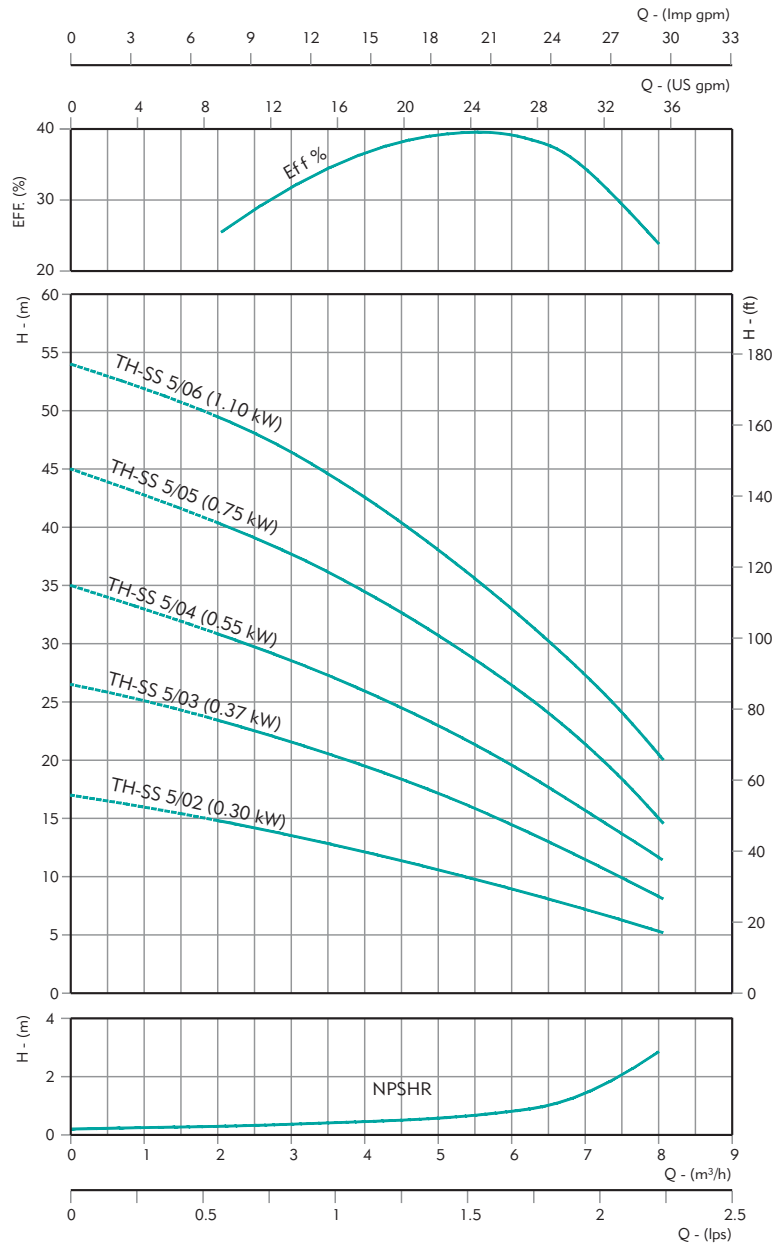
2900 rpm

Power		Model	l/s m³/h	0	0.27	0.41	0.55	0.69	0.83	0.97
kW	HP			0	1	1.5	2	2.5	3	3.5
0.22	0.30	TH-SS 2.5/02	Head in meters	17	16	14	13	12	9	7.5
0.30	0.40	TH-SS 2.5/03		27	24	23	21	18.5	16	12.5
0.37	0.50	TH-SS 2.5/04		37	33	32	29	26	22	17.5
0.45	0.60	TH-SS 2.5/05		47	43	40	37	33	27.5	22
0.55	0.75	TH-SS 2.5/06		55	50	47.5	43.5	38.5	32.5	26.5

The 4th digit of the model identification "S" denotes 1 Phase & which will be replaced with "T" in case of 3 Phase D.O.L. motors.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE CURVES & DATA



PIPE SIZE : 1" x 1", 1¼" x 1" (NPT)

NOMINAL FLOW : 5m³/h

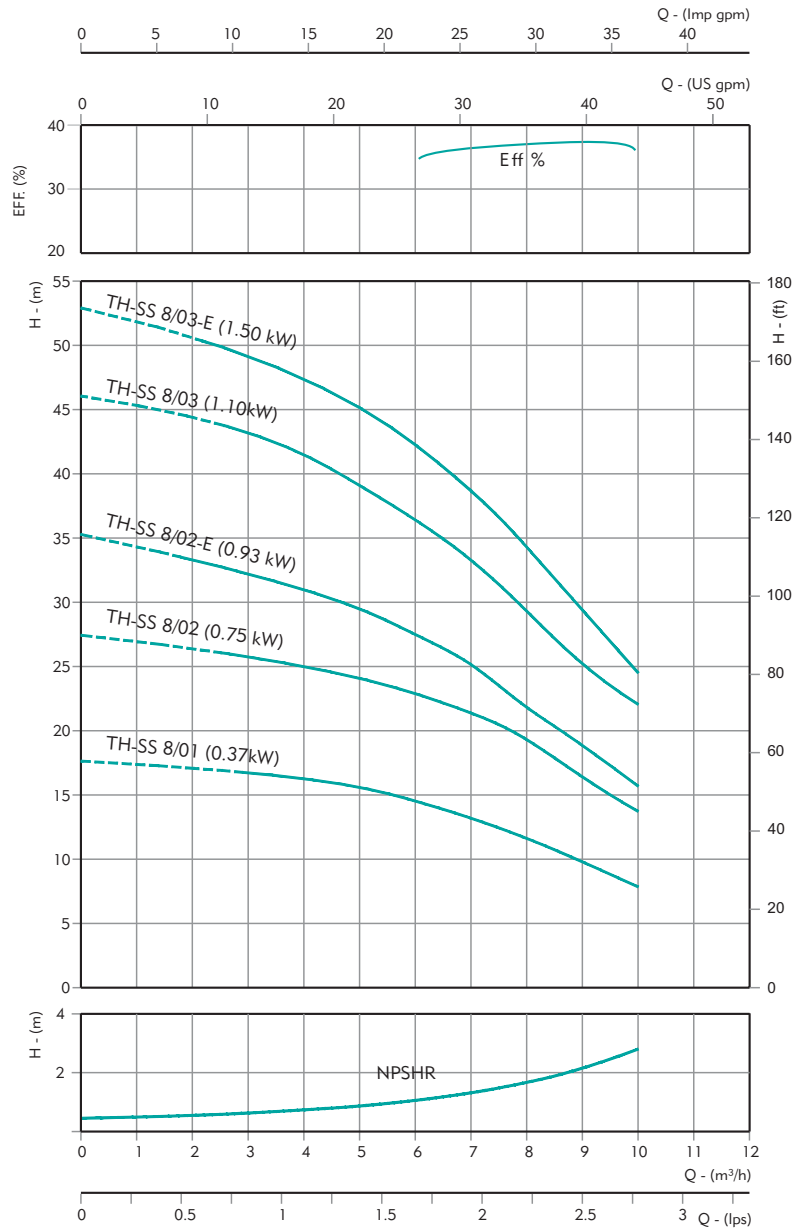
2900 rpm

Power		Model	l/s m³/h	0	0.55	0.83	1.11	1.38	1.66	1.94	2.22
kW	HP			0	2	3	4	5	6	7	8
0.30	0.40	TH-SS 5/02	Head in meters	17	15	13.5	12.5	11	8	7	5
0.37	0.50	TH-SS 5/03		26.5	23	22	19.5	17	13	12	8
0.55	0.75	TH-SS 5/04		35	31	28.5	26	23	18	16	12
0.75	1.00	TH-SS 5/05		45	40	38	34	31	24	22	15
1.10	1.50	TH-SS 5/06		54	49.5	47	43	38	30	22	20

The 4th digit of the model identification "S" denotes 1 Phase & which will be replaced with "T" in case of 3 Phase D.O.L. motors..
 * Mention pipe size while placing order.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE CURVES & DATA



PIPE SIZE : 1½" x 1¼" (NPT)

NOMINAL FLOW : 8m³/h

2900 rpm

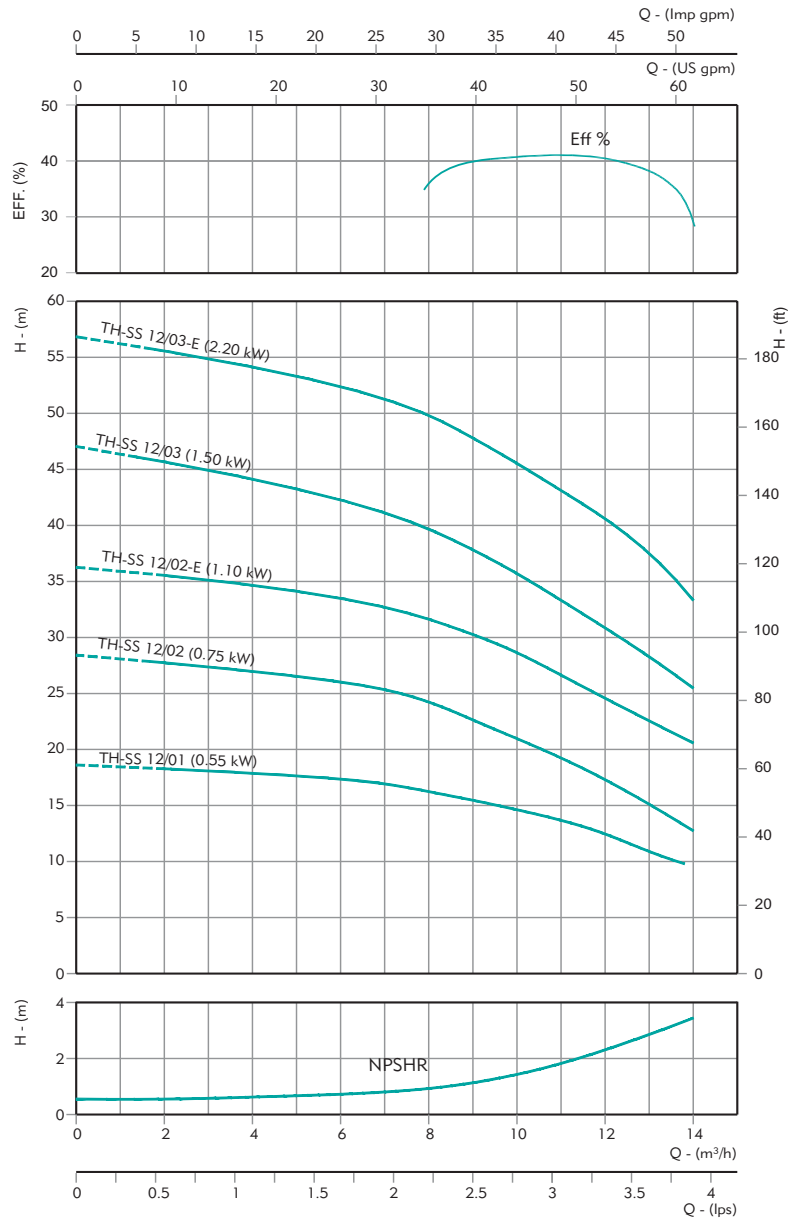
Power		Model	l/s m³/h	0	0.83	1.11	1.38	1.66	1.94	2.22	2.5	2.77
kW	HP			0	3	4	5	6	7	8	9	10
0.37	0.50	TH-SS 8/01	Head in meters	17.5	17	16.5	16	14	13	12	10	8
0.75	1.00	TH-SS 8/02		27.5	26	26	24	23	22	19	17	13.5
0.93	1.25	TH-SS 8/02-E		35	32	31	29	27.5	25	22	18.5	16
1.10	1.50	TH-SS 8/03		46	43	42	39	37	33	29	25	22.5
1.50	2.00	TH-SS 8/03-E		53	49	47.5	45	42.5	38.5	34	29	24.5

* E - Denotes elevated head model.

The 4th digit of the model identification "S" denotes 1 Phase & which will be replaced with "T" in case of 3 Phase D.O.L motors.

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PERFORMANCE CURVES & DATA



PIPE SIZE : 1½" x 1½" (NPT)

NOMINAL FLOW : 12m³/h

2900 rpm

Power		Model	l/s m³/h	0	0.55	1.11	1.66	2.22	2.77	3.38	3.88
kW	HP			0	2	4	6	8	10	12	14
0.55	0.75	TH-SS 12/01	Head in meters	18.5	18.2	18	17.5	16.5	14.5	12.5	10 (13.8)
0.75	1.00	TH-SS 12/02		28.5	17.5	27	26	24	21	17.5	13
1.10	1.50	TH-SS 12/02-E		36	35.5	34.5	33.5	32	28.5	24.5	21
1.50	2.00	TH-SS 12/03		47	46	44	42.5	44.5	36	31	26
2.20	3.00	TH-SS 12/03-E		57	56	54	52.5	50	46	41	33.5

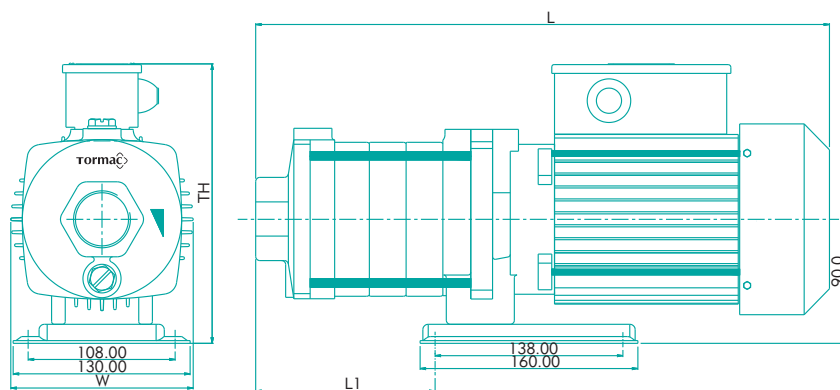
* E - Denotes elevated head model.

The 4th digit of the model identification "S" denotes 1 Phase & which will be replaced with "T" in case of 3 Phase D.O.L. motors..

* Mention pipe size while placing order.

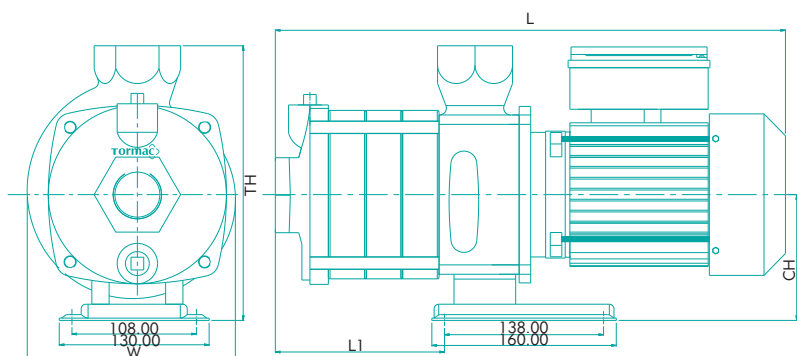
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DIMENSION DRAWINGS



Power		Model	L*	L1*	W*	TH*	Weight (kg)
kW	HP						
0.22	0.30	TH-SS 2.5/02	320	73	134	212	12.25
0.30	0.40	TH-SS 2.5/03	344	92	134	212	13.25
0.37	0.50	TH-SS 2.5/04	383	110	134	212	14.25
0.45	0.60	TH-SS 2.5/05	407	130	134	212	15.25
0.55	0.75	TH-SS 2.5/06	426	150	134	212	16.25

Power		Model	L*	L1*	W*	TH*	Weight (kg)
kW	HP						
0.30	0.40	TH-SS 5/02	333	81	134	212	12.75
0.37	0.50	TH-SS 5/03	380	108	134	212	14.25
0.55	0.75	TH-SS 5/04	422	135	134	215	15.75
0.75	1.00	TH-SS 5/05	500	162	134	215	18.50
1.10	1.50	TH-SS 5/06	521	190	134	215	20.25



Power		Model	L*	L1*	W*	TH*	Weight (kg)
kW	HP						
0.37	0.50	TH-SS 8/01	342	50	181	238	16.0
0.75	1.00	TH-SS 8/02	404	82	181	238	20.0
0.93	1.25	TH-SS 8/02-E	404	82	181	238	20.5
1.10	1.50	TH-SS 8/03	473	114	181	238	25.0
1.50	2.00	TH-SS 8/03-E	467	114	181	238	28.5

Power		Model	L*	L1*	W*	TH*	Weight (kg)
kW	HP						
0.55	0.75	TH-SS 12/01	352	50	181	238	18.0
0.75	1.00	TH-SS 12/02	419	82	181	238	20.5
1.10	1.50	TH-SS 12/02-E	435	82	181	238	28.5
1.50	2.00	TH-SS 12/03	482	114	181	238	30.5
2.20	3.00	TH-SS 12/03-E	502	114	181	238	34.0

* All dimensions are in mm.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

**VERTICAL
MULTISTAGE CENTRIFUGAL PUMPS
50 Hz**

TV SERIES

Multistage vertical inline pumps are single or multistage type supplied with radial or mixed flow impeller for higher head and flow requirement. These pumps are available in different materials of construction and all wetted parts are made of corrosion resistant stainless-steel material. A preassembled cartridge mechanical seal is used for easy maintenance without disassembling the pump. The inline design simplifies pipework and offers great savings in floor space compared to horizontal pumps. These pumps are ideally suitable for high pressure and constant pressure applications. Inline pumps are offered as pump end or pumpset with single phase motors upto 2.2kW and three phase premium efficiency motors for entire range of pumps.



APPLICATIONS

- Utility water supply in industries and buildings
- Pressure Boosting system
- RO System
- High pressure application in industries
- Boiler feed application
- Jockey application in firefighting system
- Industrial washing and cleaning system
- Hot water transfer and circulation
- Agriculture

DESIGN FEATURES

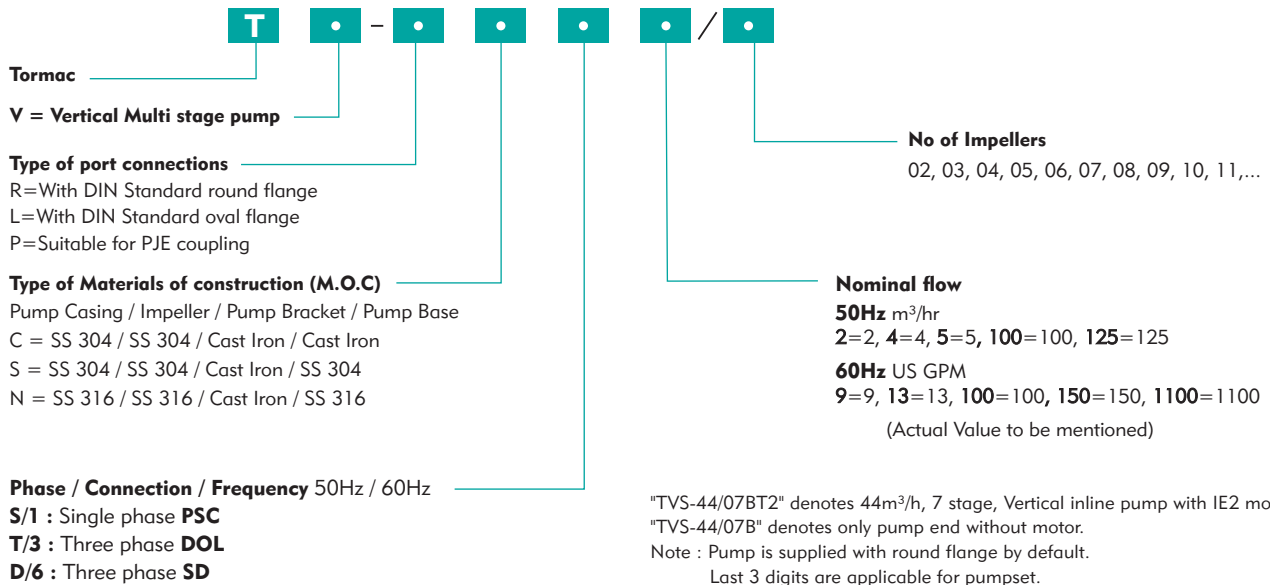
- High efficiency
- Wide hydraulic ranges
- Stainless steel wetted parts
- Space saving compact design
- Thermal protection in single phase motor
- Pump with DIN flanges

PERFORMANCE CURVE CONDITIONS

a	The Performance curve shows the pump performance at rated Voltage & speed.
b	The measurements were made with airless water at 20°C and specific gravity of 1.
c	A pumped fluid with a density higher than that of water requires a motor with a correspondingly higher output.
d	Pipe friction losses have not been included in the performance curves and performance tables.
e	The bold curve indicates the recommended operating range.

f	Q/H : The curves are inclusive of check valve and suction Inter-connector losses.
g	Efficiency curve : "EFF%" shows pump stage efficiency.
h	Performance curve tolerances are as per ISO : 9906, Grade-3B / HI 14.6, Grade - 3B.
i	Available type of materials of construction TVC (Cast Iron Base / Pump Head), TVS (AIS 304) & TVN (AISI 316).
j	Actual performance will vary depending on the water column in the sump, head and voltage.

MODEL CLASSIFICATION :



MOTOR SPECIFICATIONS

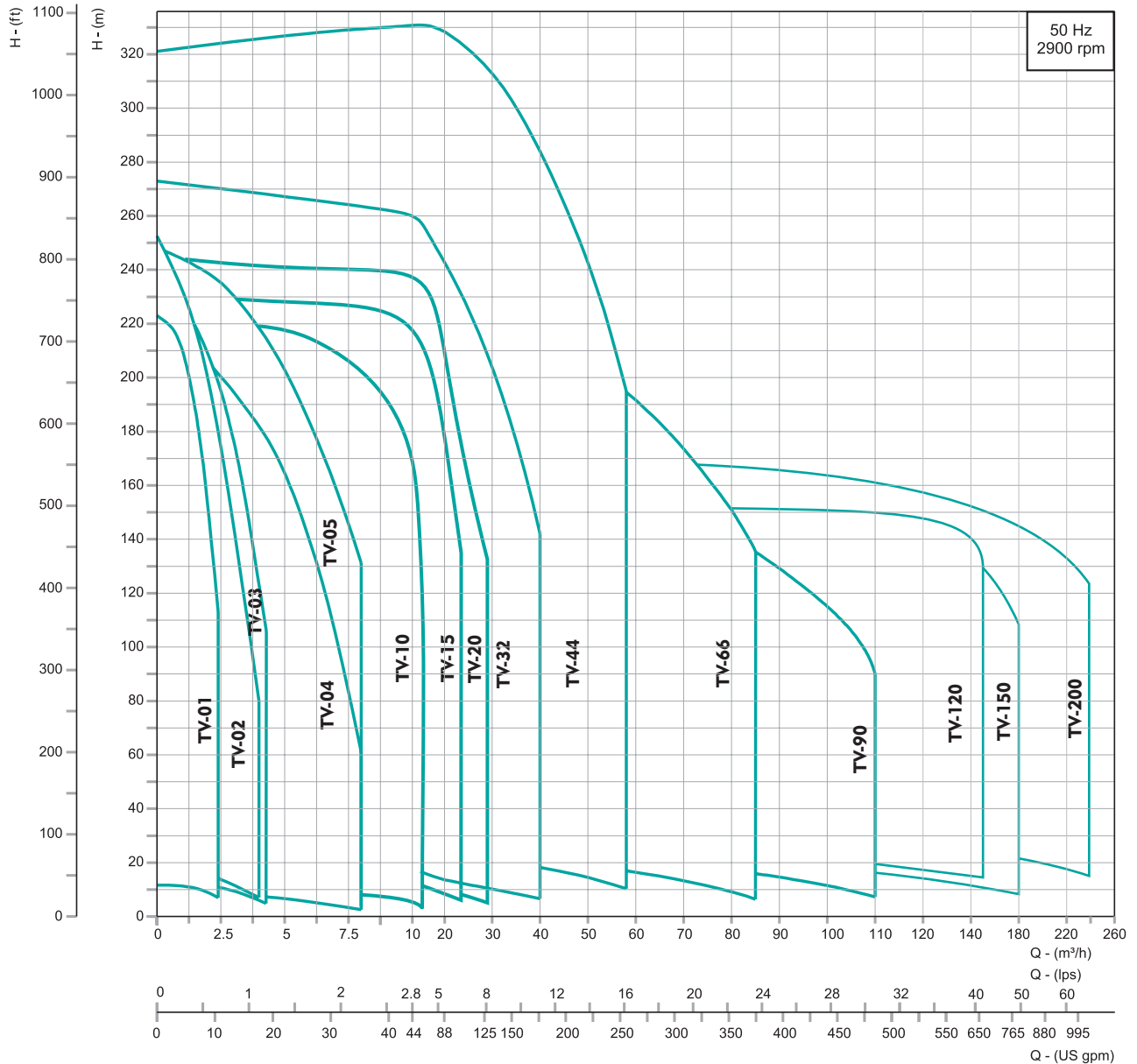
Power Range (kW)	Single Phase : 0.37 - 2.2kW, 220-230V, 50Hz, A.C. Supply Three Phase : 0.37kW - 110kW, 380-415V, 50Hz A.C. supply
Speed	2900 rpm
Duty	S1 Continuous
Degree of Protection	IP 55
Class of Insulation	F
Election Connection	Single Phase – CSCR Three Phase – DOL / SD
IEC efficiency class - Three Phase	IE2 – Standard (IE3 – Optional)
Maximum Ambient Temperature	40°C

OPERATING DATA - PUMP

Flow	Upto 280m ³ /h
Head	Upto 320m
Power Range	0.37 - 110kW
Speed	2900rpm
Inlet size	25 - 150mm
Outlet size	25 - 150mm
Liquid Temperature	Standard: -10°C to 90°C Optional: -10°C to 120°C
Shaft seal	Default Mechanical seal Face Combination Silicon CarbideVs Silicon Carbide/FKM (1to 5m ³ /h) Silicon Carbide Vs Silicon Carbide/FKM (10 to 20 m ³ /h-upto 10stage) Tungsten Carbide Vs Carbon/FKM (10 to 20 m ³ /h-Above 11stage) Tungsten Carbide Vs Carbon /FKM (32 to 200m ³ /h)
Maximum Working Pressure	Upto 32 bar
Flange Standard	DIN 2501

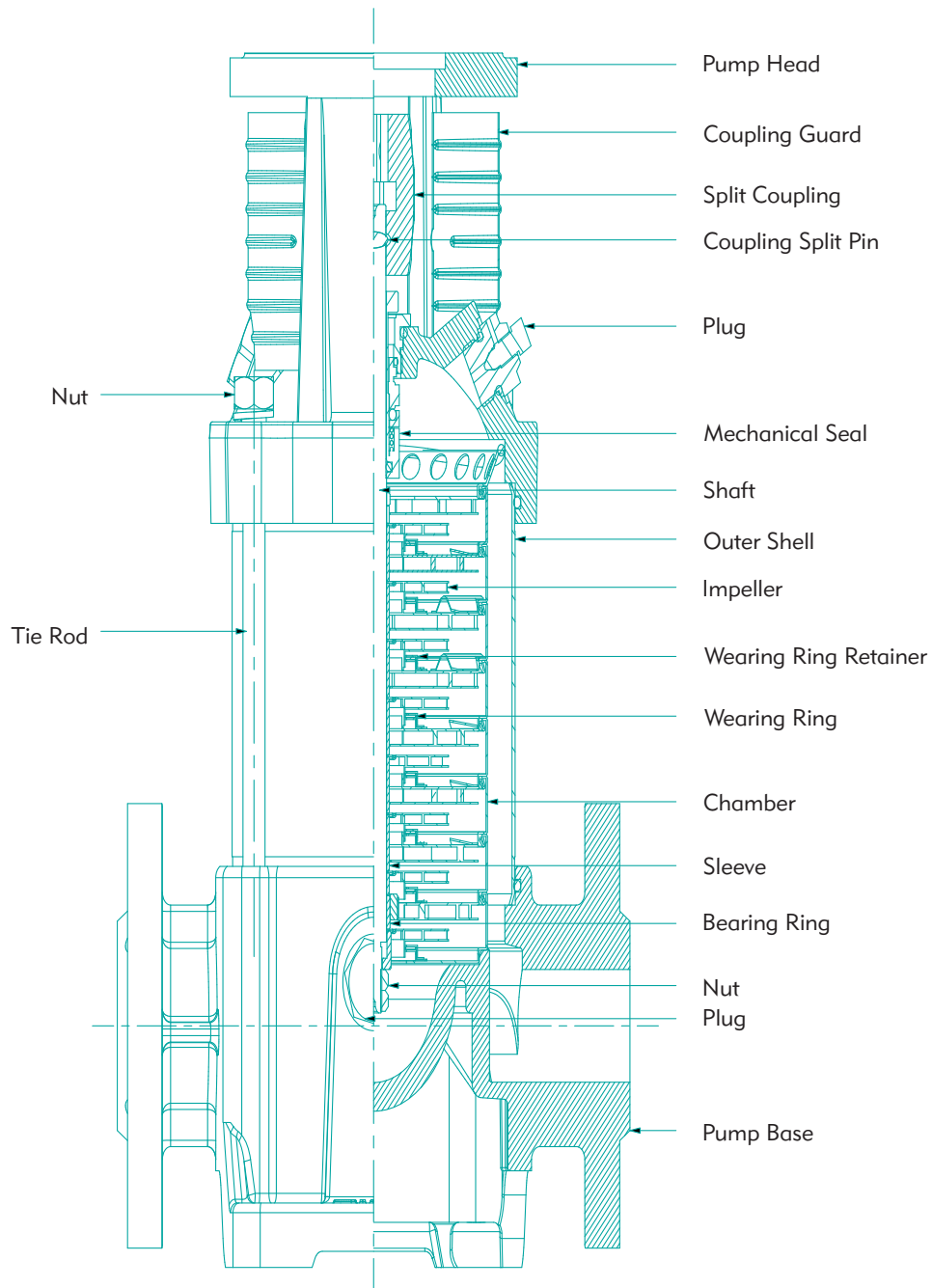
Note (Shaft Seal) : For high temperature models : 91°C to 120°C-There is no change in the mechanical seal face combination, but the FKM rubber part will be replaced with EPDM
 Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

GROUP PERFORMANCE CURVES



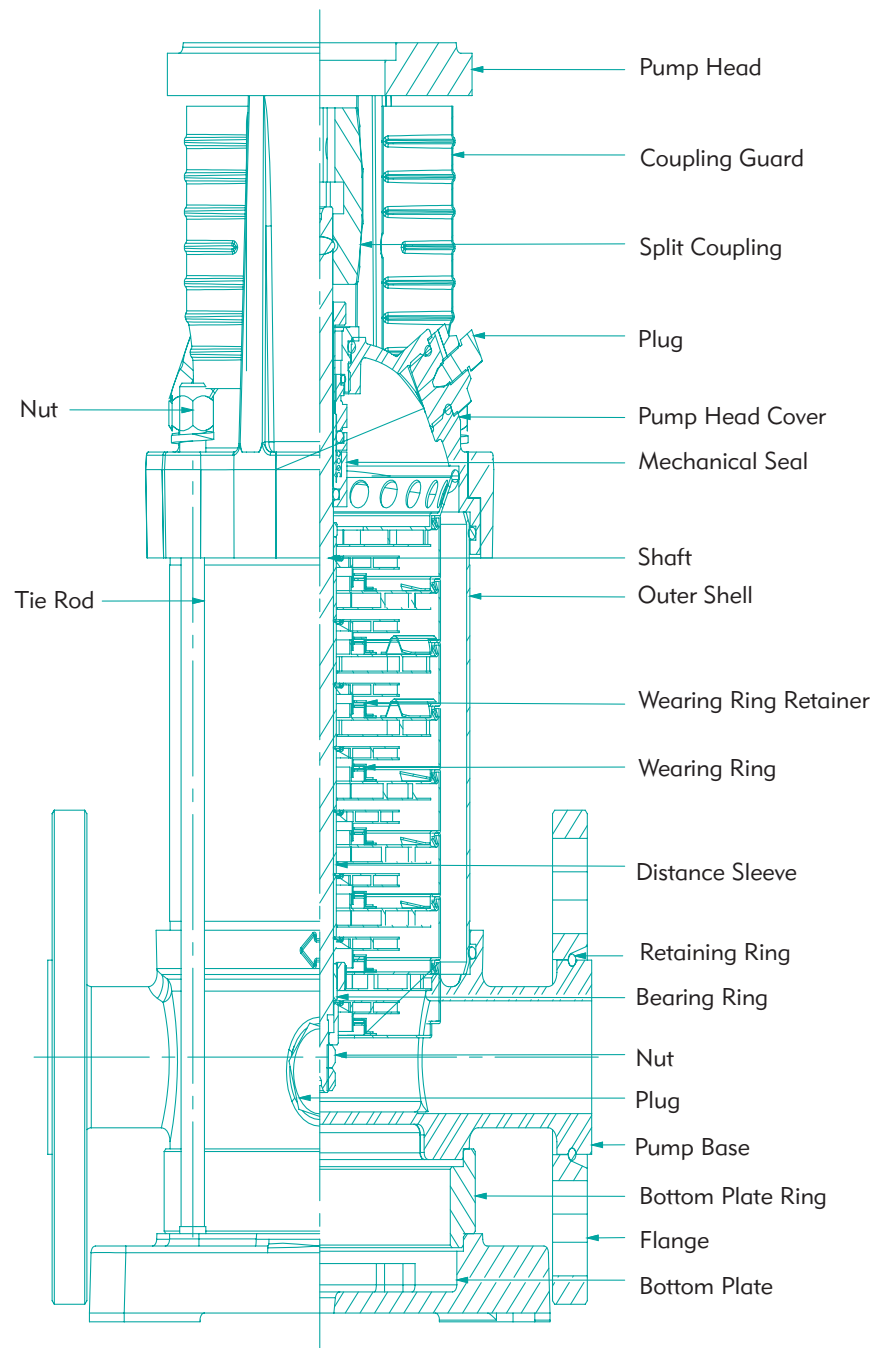
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

CONSTRUCTIONAL DATA



TV - RC Version (1-5m³)

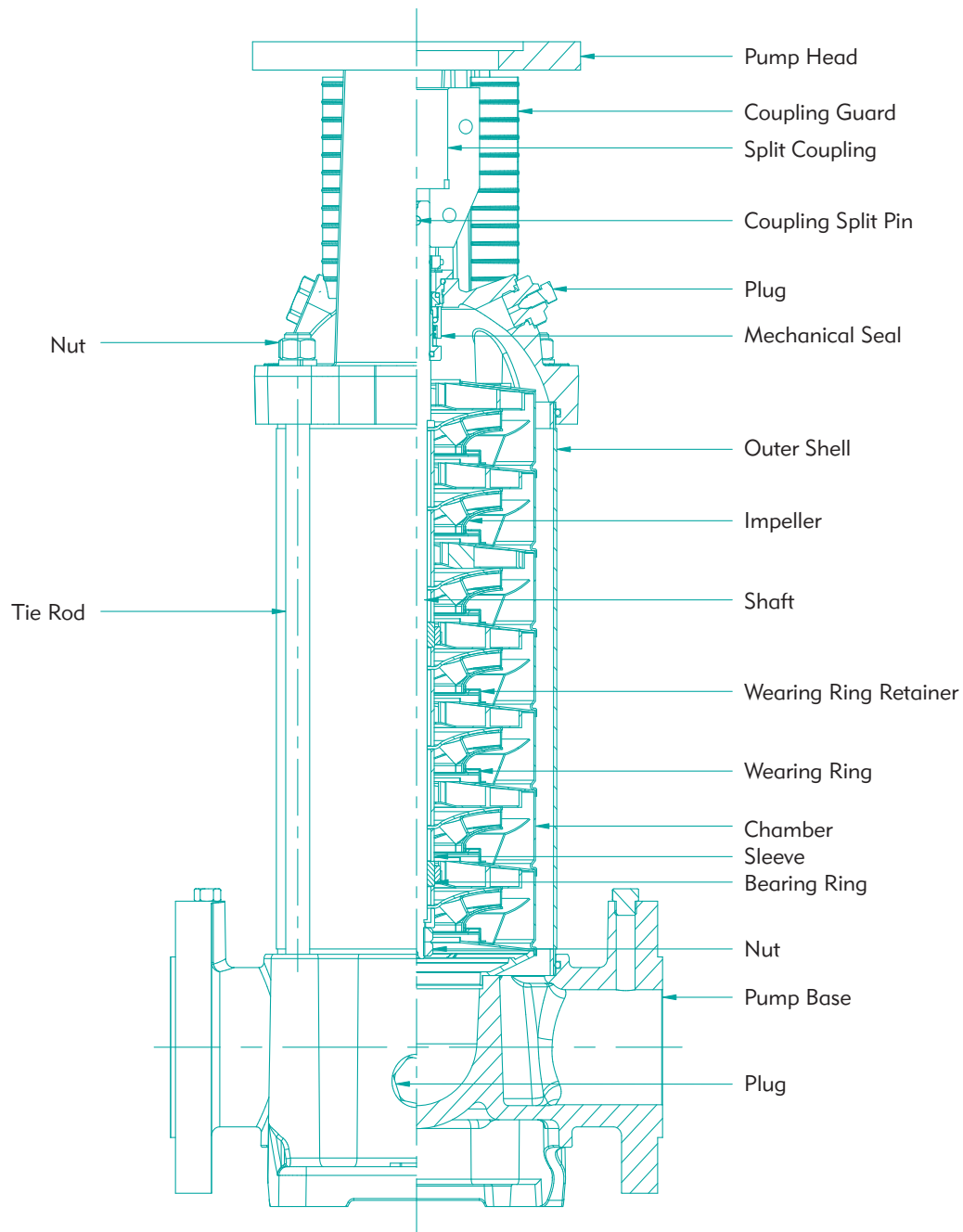
CONSTRUCTIONAL DATA



TV - RS & N Version (1-5m³)

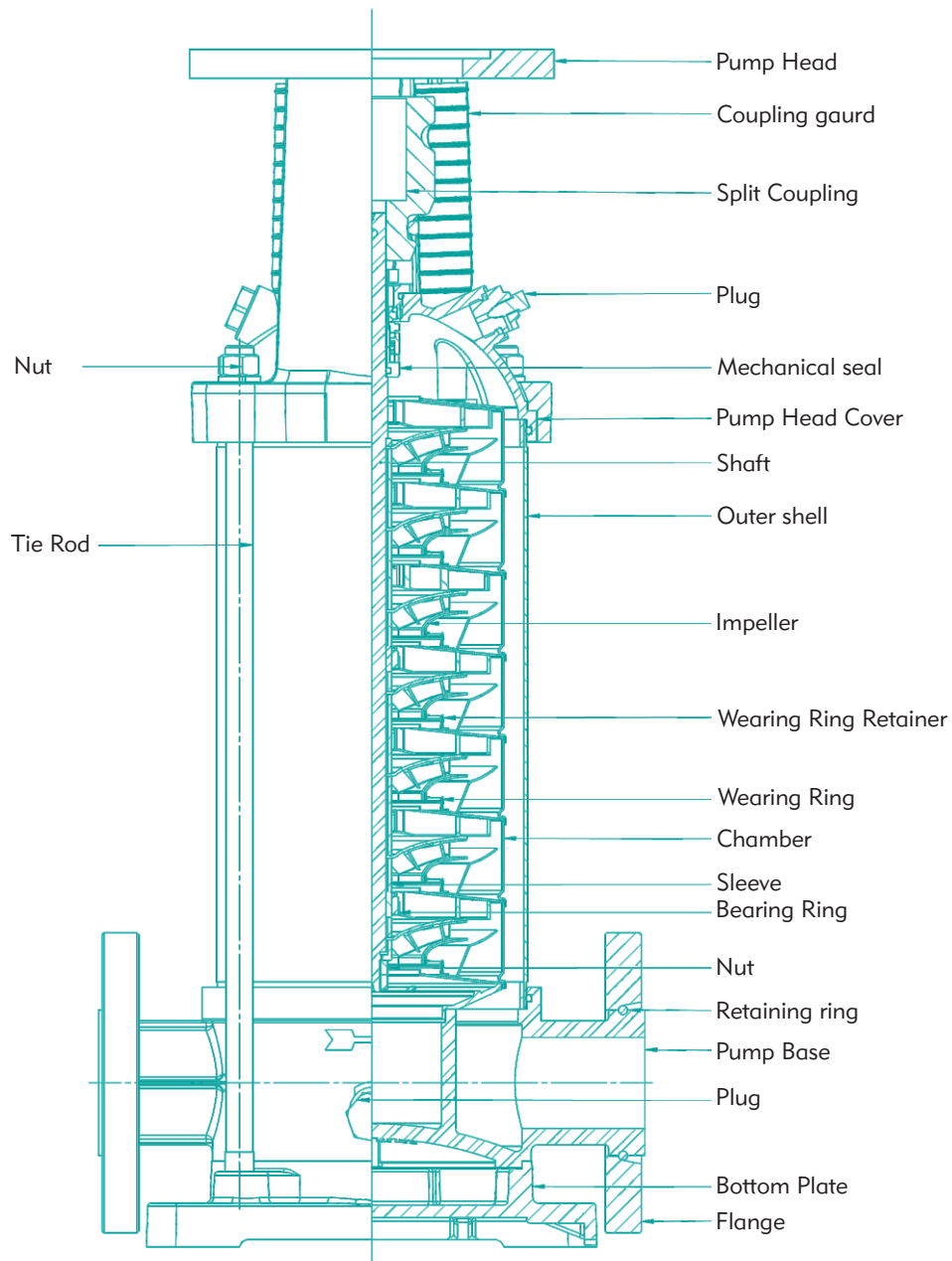
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

CONSTRUCTIONAL DATA



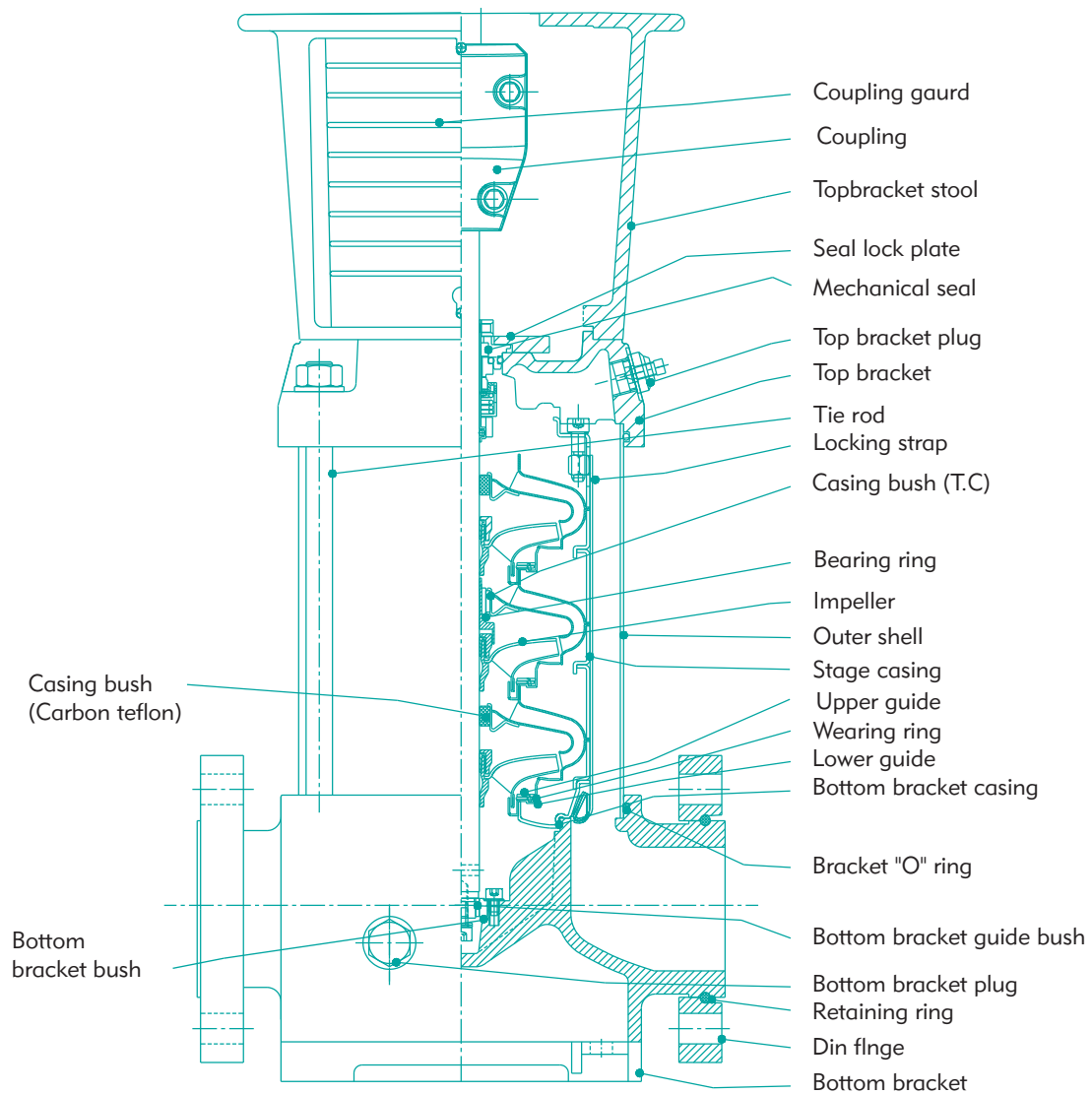
TV - RC Version (10-20m³)

CONSTRUCTIONAL DATA



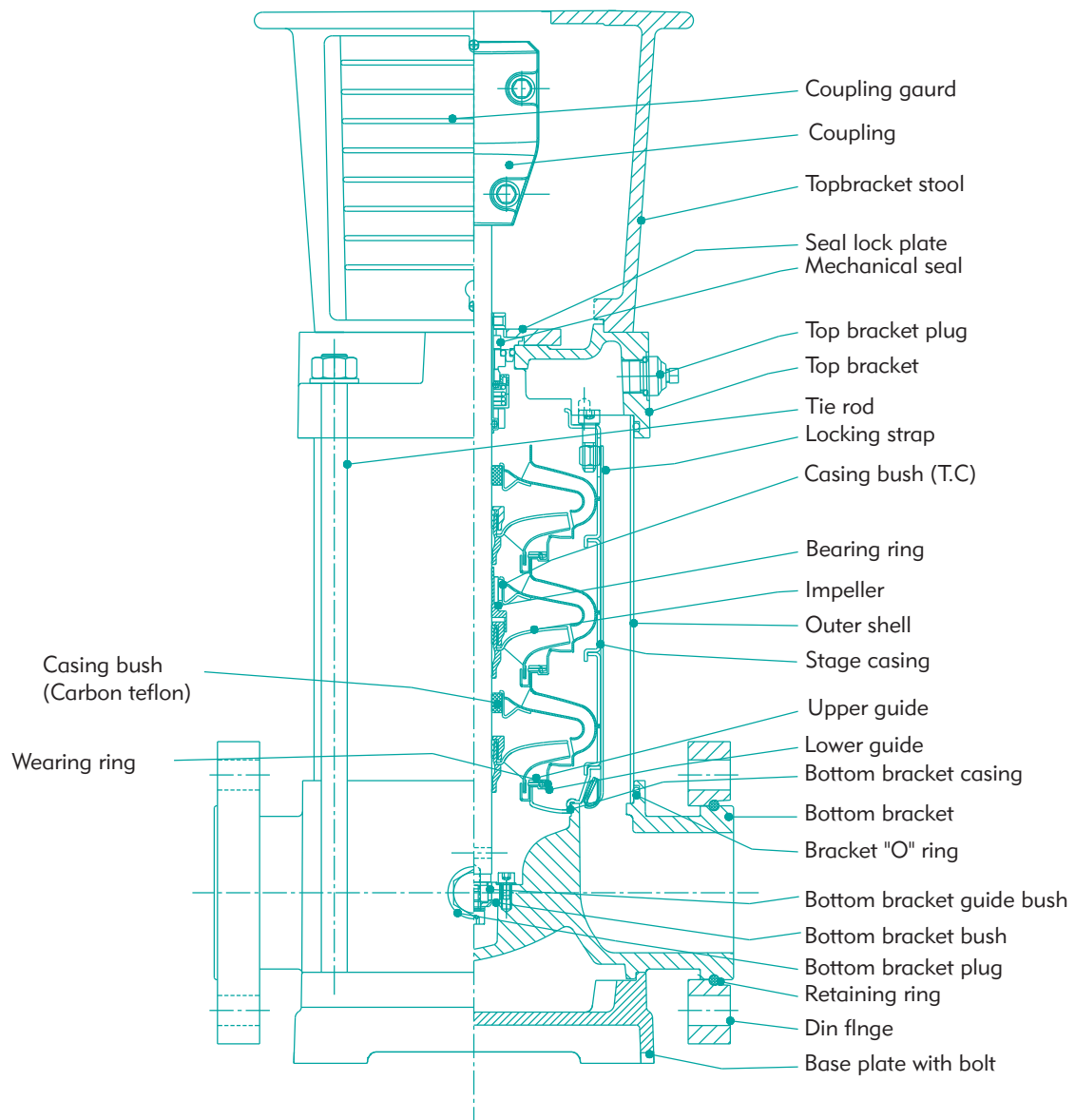
TV - RS & N Version (10-20m³)

CONSTRUCTIONAL DATA



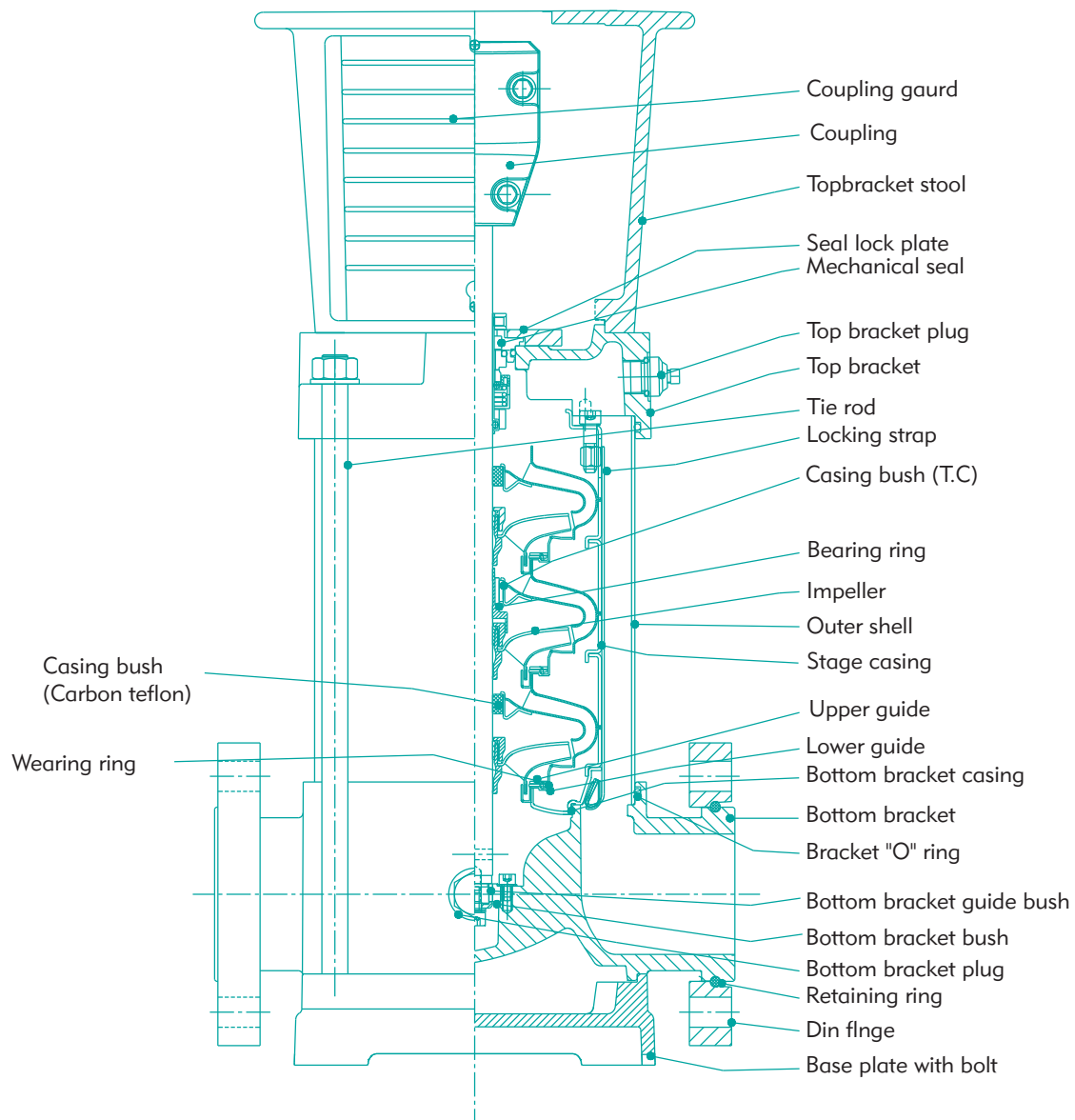
TV - RC Version (32, 44, 66 & 90m³)

CONSTRUCTIONAL DATA



TV - RS & N Version (32, 44, 66 & 90m³)

CONSTRUCTIONAL DATA



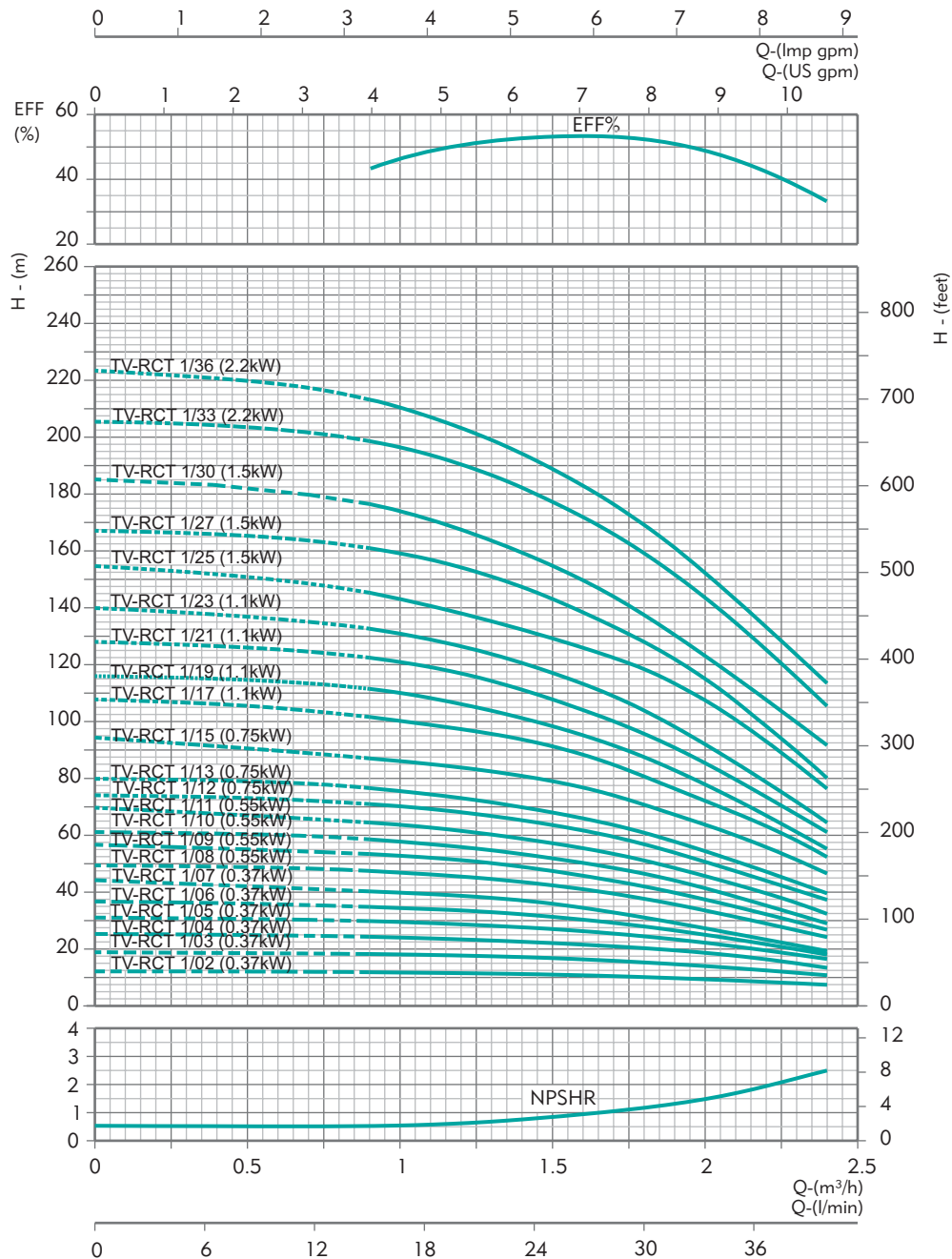
TV - RS & N Version (120, 150 & 200m³)

PERFORMANCE CURVES

PIPE SIZE : **TV-RC - 1 1/4" x 1 1/4"**
TV-RS - 1" x 1"

NOMINAL FLOW : **1m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC - 1¼" x 1¼"**
TV-RS - 1" x 1"

NOMINAL FLOW : **1m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	8.5	16.2	24.6	33.3	40
kW	HP		m³/h	0.5	1	1.5	2	2.4
0.37	0.5	TV-RCT 1/02	HEAD IN METRES	12	11	10	9	7
0.37	0.5	TV-RCT 1/03		18	17.5	16.5	13.5	10
0.37	0.5	TV-RCT 1/04		24.5	24	22	18	13
0.37	0.5	TV-RCT 1/05		30	29.2	26.5	22	16
0.37	0.5	TV-RCT 1/06		36	34	31	24	18
0.37	0.5	TV-RCT 1/07		42	39	35	26	19
0.55	0.75	TV-RCT 1/08		48	46	42	33	24
0.55	0.75	TV-RCT 1/09		55	52	47	37	26
0.55	0.75	TV-RCT 1/10		60	57	52	41	29
0.55	0.75	TV-RCT 1/11		67	63	57	45	32
0.75	1.0	TV-RCT 1/12		75	70	63	50	36
0.75	1.0	TV-RCT 1/13		79	75	67	54	40
0.75	1.0	TV-RCT 1/15		90	85	78	63	46
1.1	1.5	TV-RCT 1/17		105	100	90	72	52
1.1	1.5	TV-RCT 1/19		114	110	98	78	56
1.1	1.5	TV-RCT 1/21		125	120	108	85	60
1.1	1.5	TV-RCT 1/23		136	130	116	91	64
1.5	2	TV-RCT 1/25		150	142	128	107	76
1.5	2	TV-RCT 1/27		165	158	142	114	80
1.5	2	TV-RCT 1/30		182	174	154	122	90
2.2	3	TV-RCT 1/33		203	196	176	142	104
2.2	3	TV-RCT 1/36		219	210	188	150	114

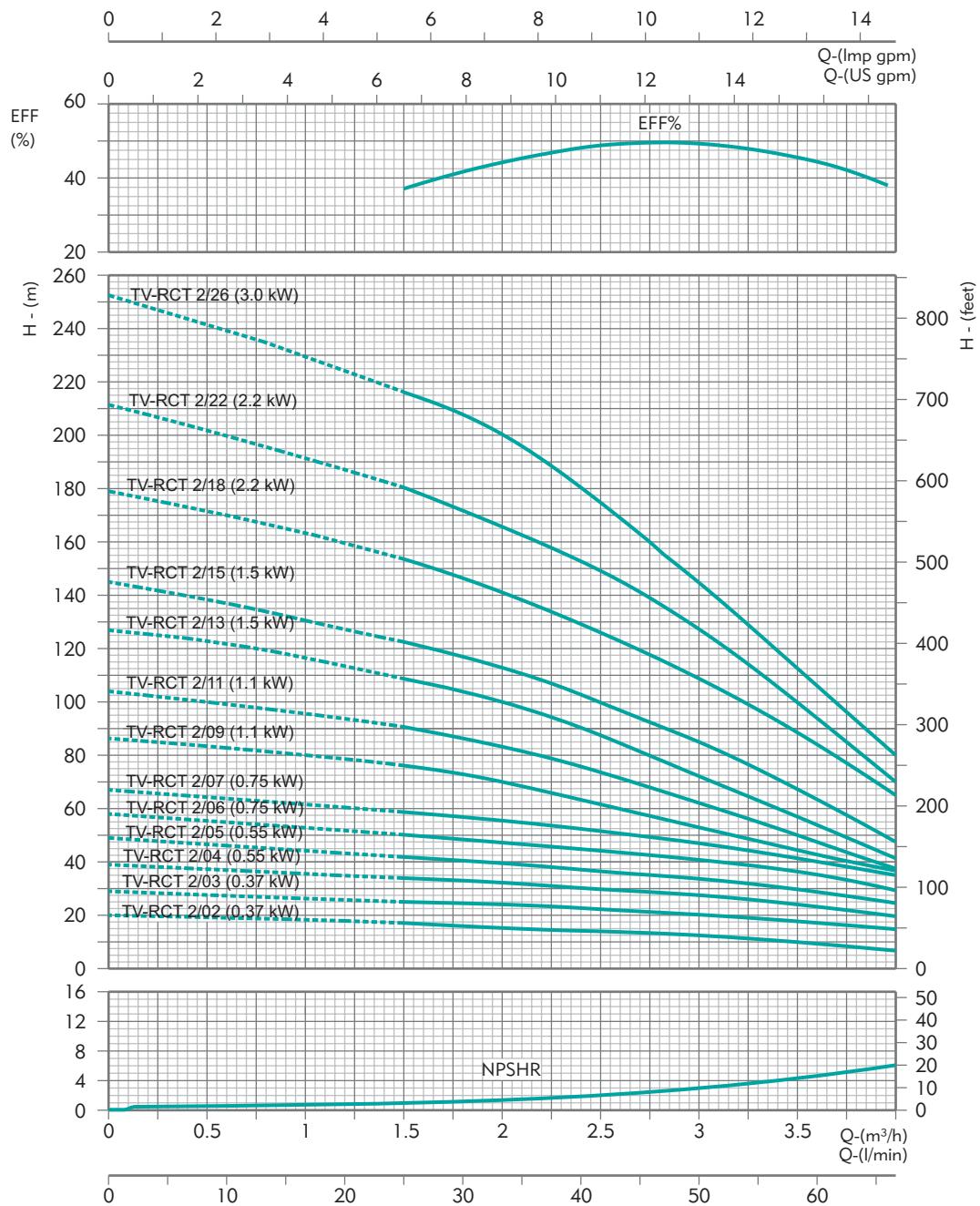
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC - 1¼" x 1¼"**
TV-RS - 1" x 1"

NOMINAL FLOW : **2m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC - 1¼" x 1¼"**
TV-RS - 1" x 1"

NOMINAL FLOW : **2m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	16.2	24.6	33.3	41.6	50	58.3	66.6
kW	HP		m³/h	1	1.5	2	2.5	3	3.5	4
0.37	0.50	TV-RCT 2/02	HEAD IN METRES	18	17	15	13.5	12.5	10	7
0.37	0.50	TV-RCT 2/03		26	25	24	22.5	20	17.5	15
0.55	0.75	TV-RCT 2/04		35.5	34	32.5	30	27.5	24.5	20
0.55	0.75	TV-RCT 2/05		44.5	42	40	36.5	33.5	30	25
0.75	1.0	TV-RCT 2/06		52.5	50	47.5	44.5	41	36.5	30
0.75	1.0	TV-RCT 2/07		62	58.5	55	52	47	41.5	35
1.1	1.5	TV-RCT 2/09		80	76.5	70	62	52.5	45	37
1.1	1.5	TV-RCT 2/11		95.5	90	83	73.5	62.5	50	37.5
1.5	2.0	TV-RCT 2/13		117	109	100	87.5	72.5	57.5	42
1.5	2.0	TV-RCT 2/15		130	122.5	112.5	100	85	67.5	47.5
2.2	3.0	TV-RCT 2/18		163	153.5	141	126	108	88	63
2.2	3.0	TV-RCT 2/22		191	180	165	150	127.5	100	70
3.0	4.0	TV-RCT 2/26		230	215.5	200	175	145	102.5	80

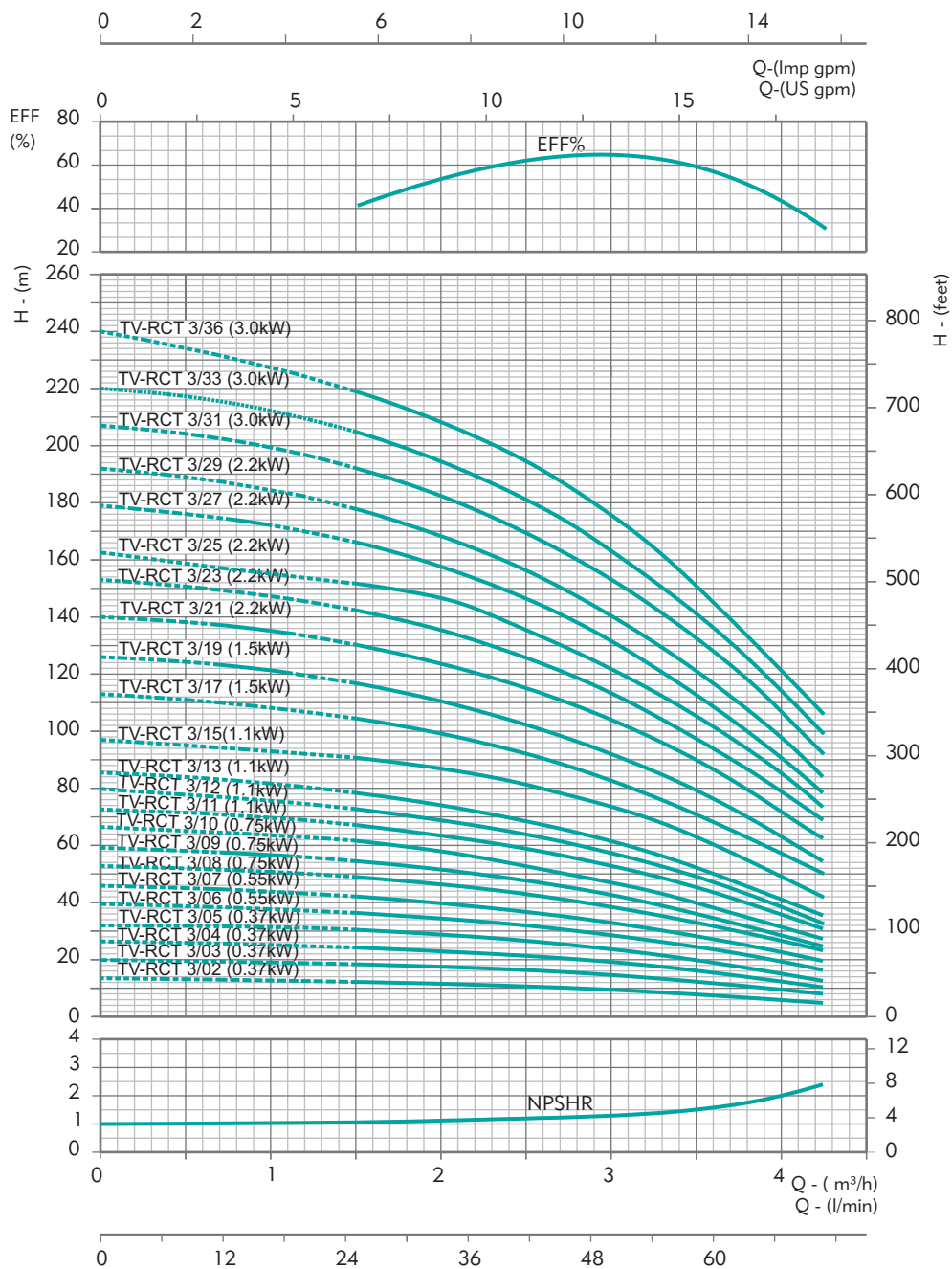
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC - 1 1/4" x 1 1/4"**
TV-RS - 1" x 1"

NOMINAL FLOW : **3m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC - 1¼" x 1¼"**
TV-RS - 1" x 1"

NOMINAL FLOW : **3m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	16.2	33.3	50	66.6	71.4
kW	HP		m³/h	1	2	3	4	4.25
0.37	0.5	TV-RCT 3/02	HEAD IN METRES	13	11.5	9.5	6	5
0.37	0.5	TV-RCT 3/03		18	17.5	14.5	9.5	8
0.37	0.5	TV-RCT 3/04		25	23	18	12	10.5
0.37	0.5	TV-RCT 3/05		31.5	29	23.5	15	12.5
0.55	0.75	TV-RCT 3/06		37.5	34.5	29	18.5	16
0.55	0.75	TV-RCT 3/07		44	40	33	24.5	19.5
0.75	1.0	TV-RCT 3/08		51	46.5	38.5	26	23
0.75	1.0	TV-RCT 3/09		57	51.5	43	28.5	25
0.75	1.0	TV-RCT 3/10		63.5	58	47	31	27
1.1	1.5	TV-RCT 3/11		69.5	63.5	53	36	31
1.1	1.5	TV-RCT 3/12		75.5	69	57	38	33
1.1	1.5	TV-RCT 3/13		81.5	74	61.5	41	35.5
1.1	1.5	TV-RCT 3/15		93	87	74	47	42
1.5	2.0	TV-RCT 3/17		108.5	99	82.5	57	51.5
1.5	2.0	TV-RCT 3/19		121	110.5	92	63	54.5
2.2	3.0	TV-RCT 3/21		135	123.5	104	72	63
2.2	3.0	TV-RCT 3/23		147	135	113	79	69
2.2	3.0	TV-RCT 3/25		155	147	122	85.5	73
2.2	3.0	TV-RCT 3/27		172	157.5	137.5	90.5	78.5
2.2	3.0	TV-RCT 3/29		184.5	168.5	140.5	98	84
3.0	4.0	TV-RCT 3/31		199	182.5	155	106.5	92.5
3.0	4.0	TV-RCT 3/33		212.5	194.5	163	114	99.5
3.0	4.0	TV-RCT 3/36		227	208.5	177.5	121	106.5

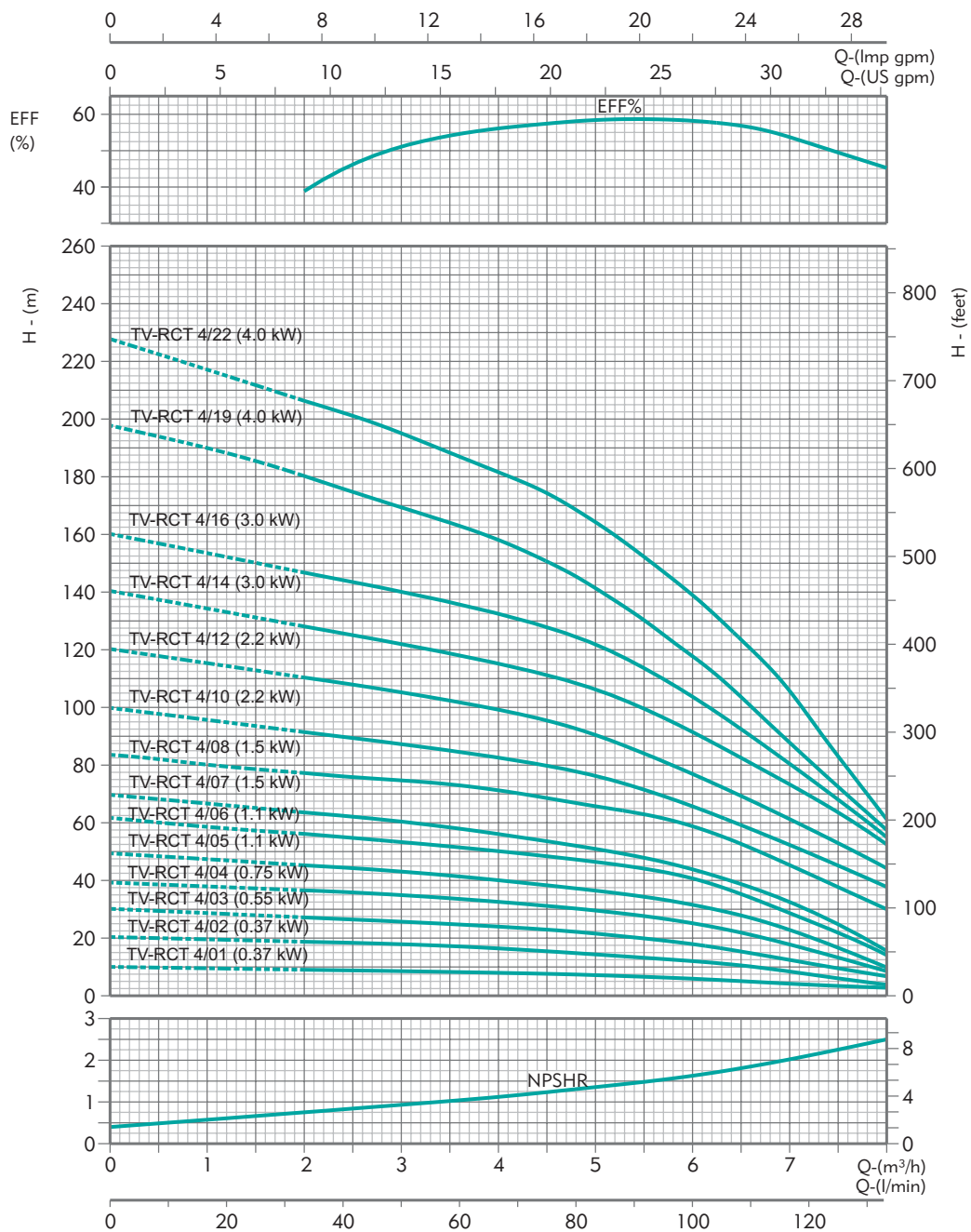
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC - 1 1/4" x 1 1/4"**
TV-RS - 1" x 1"

NOMINAL FLOW : **4m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC - 1¼" x 1¼"**
TV-RS - 1" x 1"

NOMINAL FLOW : **4m³/h**

2900 rpm

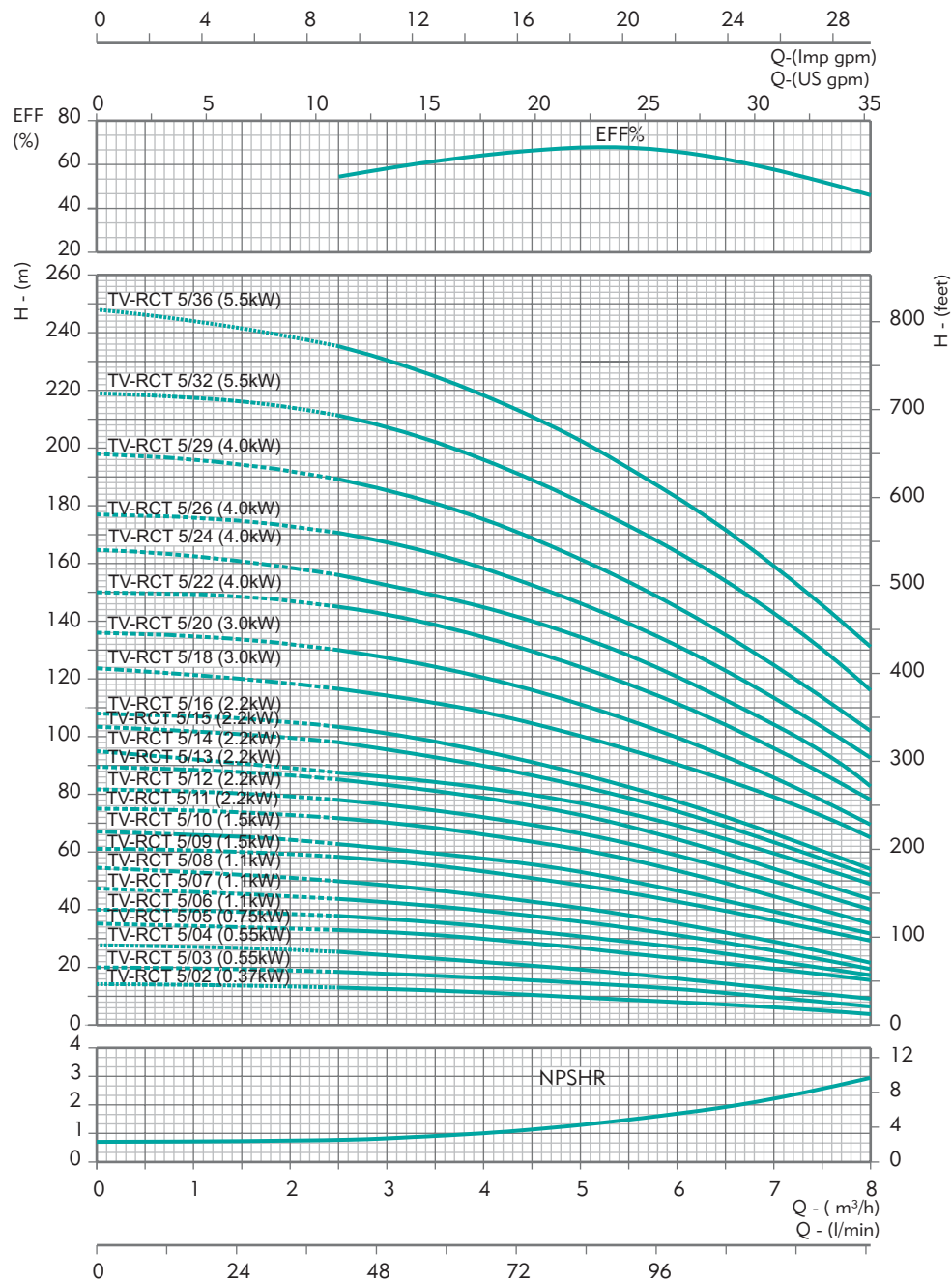
POWER		PUMP MODEL	lpm	33.3	50	66.6	83.3	100	116.6	133.3
kW	HP		m³/h	2	3	4	5	6	7	8
0.37	0.50	TV-RCT 4/01	HEAD IN METRES	9	8	7.5	7	5.5	4.5	2.5
0.37	0.50	TV-RCT 4/02		18.5	17.5	17	14.5	12	8	4
0.55	0.75	TV-RCT 4/03		27.5	25.5	24.5	22	17.5	12.5	7
0.75	1.0	TV-RCT 4/04		37.5	35	32.5	30	25	17.5	9
1.1	1.5	TV-RCT 4/05		45	42.5	40	37	32	22.5	10
1.1	1.5	TV-RCT 4/06		56	53	50	47	40.5	28.5	14
1.5	2.0	TV-RCT 4/07		63	60	56	50.5	44	32.5	15
1.5	2.0	TV-RCT 4/08		77.5	75	71.5	65.5	59	45	30
2.2	3.0	TV-RCT 4/10		92	87.5	82.5	77	65	52.5	37.5
2.2	3.0	TV-RCT 4/12		110	105	99.5	90	77	61	44.5
3	4.0	TV-RCT 4/14		127.5	122	115	106	92	72.5	52.5
3	4.0	TV-RCT 4/16		147	140	132.5	122	104	80	55
4	5.5	TV-RCT 4/19		180	170	157.5	141	117.5	87.5	57.5
4	5.5	TV-RCT 4/22		206	195	182	165	139	105	61

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 1¼" x 1¼"**

NOMINAL FLOW : **5m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 1 1/4" x 1 1/4"**

NOMINAL FLOW : **5m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	33.3	66.6	100	116.6	133.3
kW	HP		m ³ /h	2	4	6	7	8
0.37	0.5	TV-RCT 5/02	HEAD IN METRES	13.5	11.5	8	6	4
0.55	0.75	TV-RCT 5/03		19	16	12.5	10	6.5
0.55	0.75	TV-RCT 5/04		26	22	16	12.5	9
0.75	1.0	TV-RCT 5/05		34	30	23	19.5	16
1.1	1.5	TV-RCT 5/06		38	34	27	22	17.5
1.1	1.5	TV-RCT 5/07		45	40	31	26	19.5
1.1	1.5	TV-RCT 5/08		51	45	35	29	22
1.5	2.0	TV-RCT 5/09		59	53.5	43	36	29.5
1.5	2.0	TV-RCT 5/10		64	58	47	39.5	32
2.2	3.0	TV-RCT 5/11		73	66	53.5	45	36
2.2	3.0	TV-RCT 5/12		79	72	59	50	40
2.2	3.0	TV-RCT 5/13		87	79	64	54	44
2.2	3.0	TV-RCT 5/14		89	82	69	60	49
2.2	3.0	TV-RCT 5/15		99.5	90	74	63	52
2.2	3.0	TV-RCT 5/16		105	95	78	66.5	54
3.0	4.0	TV-RCT 5/18		118	109	90	79	65
3.0	4.0	TV-RCT 5/20		132	120	100	86	70
4.0	5.5	TV-RCT 5/22		147	134	112	96	78
4.0	5.5	TV-RCT 5/24		158	145	121	104	83
4.0	5.5	TV-RCT 5/26		173	158	131.5	114	93
4.0	5.5	TV-RCT 5/29		192	175	145	125	102
5.5	7.5	TV-RCT 5/32		214	196	164	143	116
5.5	7.5	TV-RCT 5/36		238	218	183	159	131

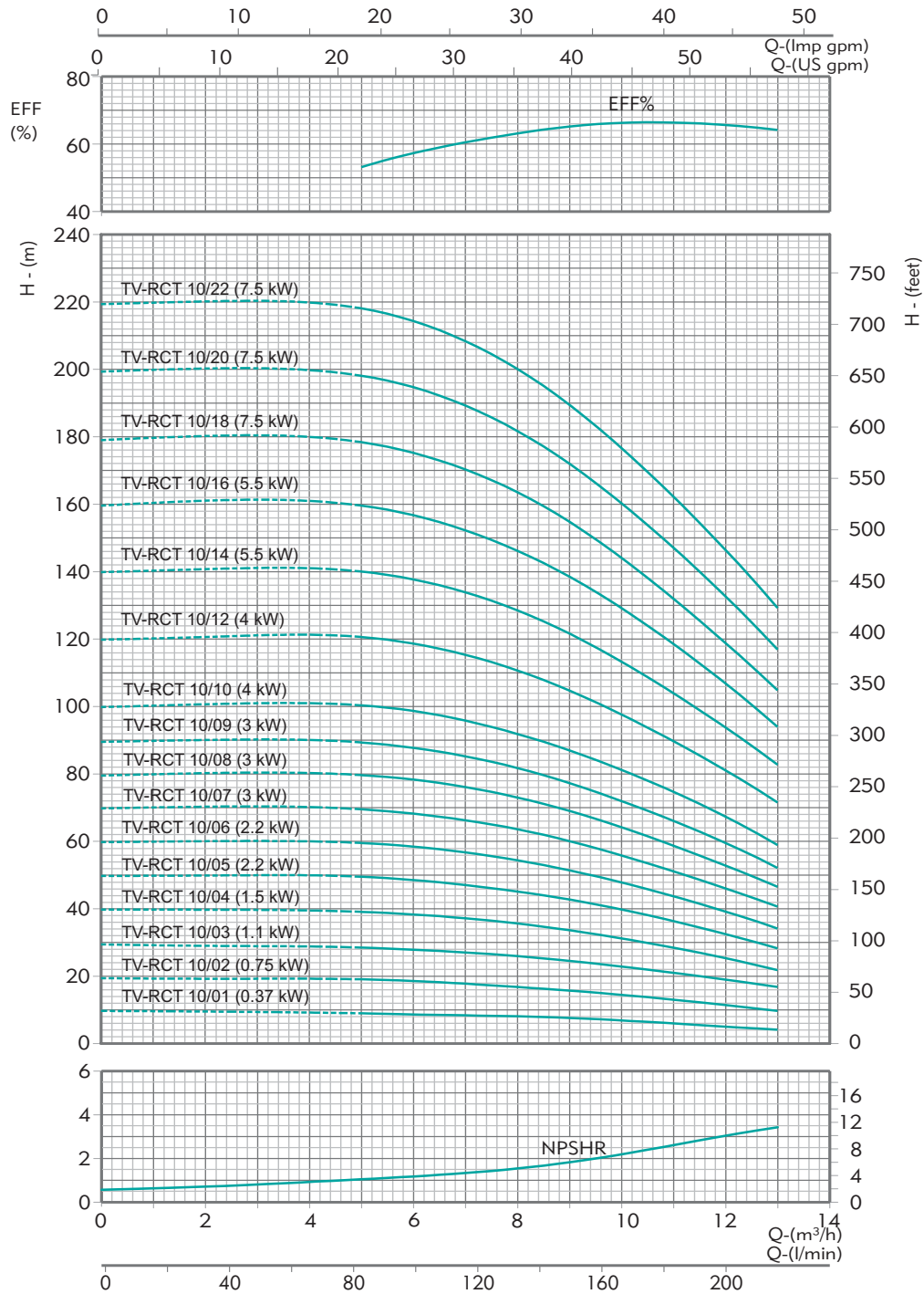
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 1½" x 1½"**

NOMINAL FLOW : **10m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 1½" x 1½"**

NOMINAL FLOW : **10m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	33.6	66.6	100.2	133.2	166.8	200	216.6
kW	HP		m³/h	2	4	6	8	10	12	13
0.37	0.50	TV-RCT 10/01	HEAD IN METRES	9.8	9	8.5	8	7	5	4.2
0.75	1.0	TV-RCT 10/02		19.2	19.2	18.5	17	14.2	11.5	9.8
1.1	1.5	TV-RCT 10/03		29	28.5	28	26	23	19	17
1.5	2.0	TV-RCT 10/04		39.8	39.5	38	36	31	25.5	22
2.2	3.0	TV-RCT 10/05		50	50	48.5	45	40	32.5	28
2.2	3.0	TV-RCT 10/06		60	60	58.5	54	48	39	34.2
3.0	4.0	TV-RCT 10/07		70.3	70	68	63.5	56	48	41
3.0	4.0	TV-RCT 10/08		80	80.3	78.2	73	64	53	46.8
3.0	4.0	TV-RCT 10/09		90	90	88	82	72	59.5	52
4.0	5.5	TV-RCT 10/10		100.8	101	98.5	91.8	81.2	77.7	59
4.0	5.5	TV-RCT 10/12		120.8	121.5	119.6	110.7	97.5	81	71.8
5.5	7.5	TV-RCT 10/14		140.8	141	138.8	128.3	113.2	93.7	83
5.5	7.5	TV-RCT 10/16		161	161	156.5	146	129	106.8	94
7.5	10	TV-RCT 10/18		180	180	175.3	163.5	144	118.7	105
7.5	10	TV-RCT 10/20		200	199.8	195.4	182	160.3	130.4	117
7.5	10	TV-RCT 10/22		220	219.7	214.3	200	177.5	147.5	129.5

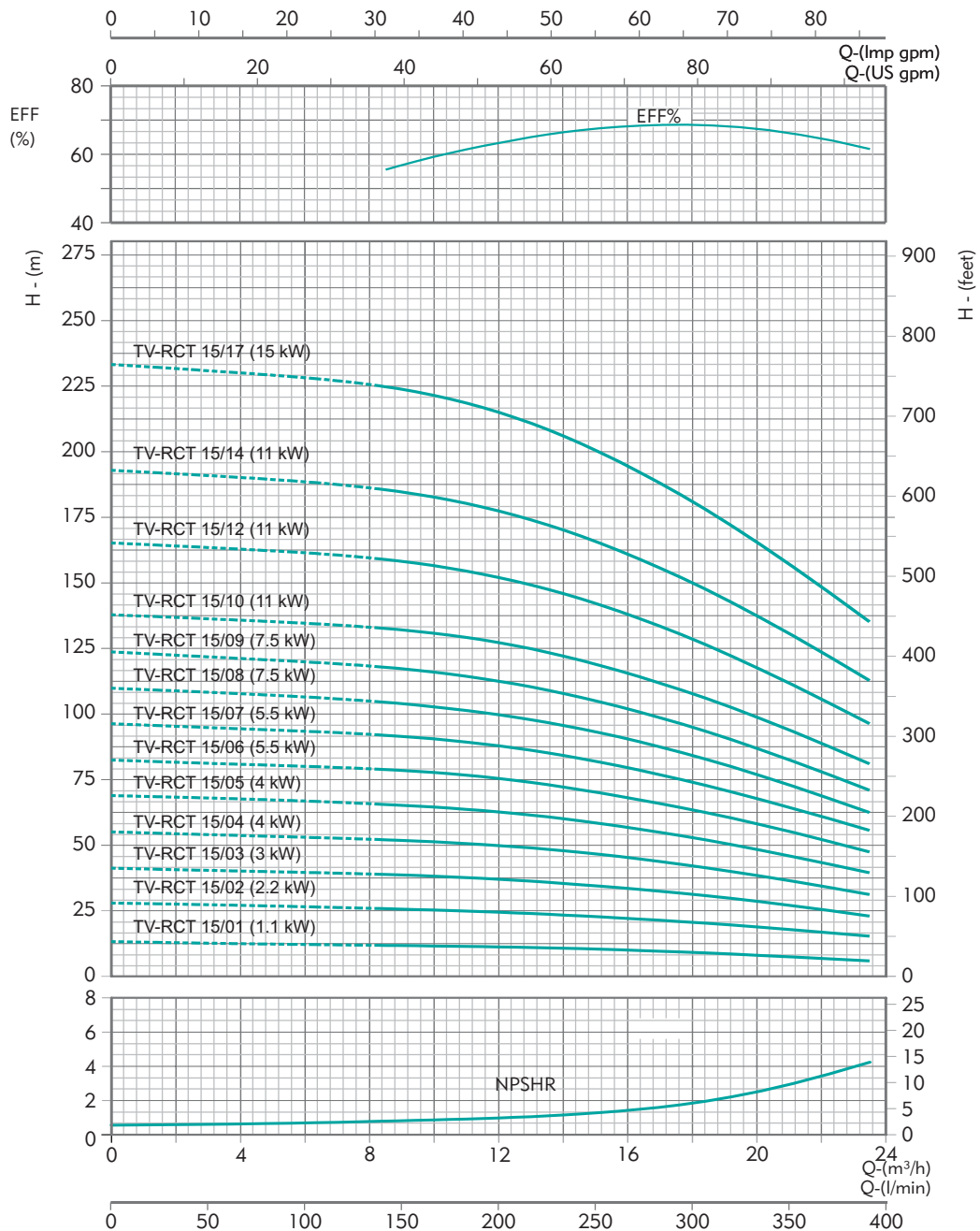
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC - 2½" x 2½"**
TV-RS - 2" x 2"

NOMINAL FLOW : **15m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC - 2½" x 2½"**
TV-RS - 2" x 2"

NOMINAL FLOW : **15m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	66.6	133.2	200	267	333.6	391.8
kW	HP		m³/h	4	8	12	16	20	23.5
1.1	1.5	TV-RCT 15/01	HEAD IN METRES	12.5	12	11	10	7.5	6
2.2	3.0	TV-RCT 15/02		27	26	24.5	22.5	18.5	15
3.0	4.0	TV-RCT 15/03		40	39.5	37	33	28	22.5
4.0	5.5	TV-RCT 15/04		53	52.5	50	45	38.5	31
4.0	5.5	TV-RCT 15/05		67.5	66	62.5	57	48	39
5.5	7.5	TV-RCT 15/06		81	79.5	75.5	68	58	47
5.5	7.5	TV-RCT 15/07		94.5	92.5	87.5	79	67.5	56
7.5	10	TV-RCT 15/08		107.5	105	100	90	77	62
7.5	10	TV-RCT 15/09		121	118	112.5	102	87	71
11	15	TV-RCT 15/10		136	132.5	127	115	98	81
11	15	TV-RCT 15/12		162.5	159.5	152	138	117.5	96
11	15	TV-RCT 15/14		190	186	177.5	160	137.5	112.5
15	20	TV-RCT 15/17		230	225	215	194.5	165	135

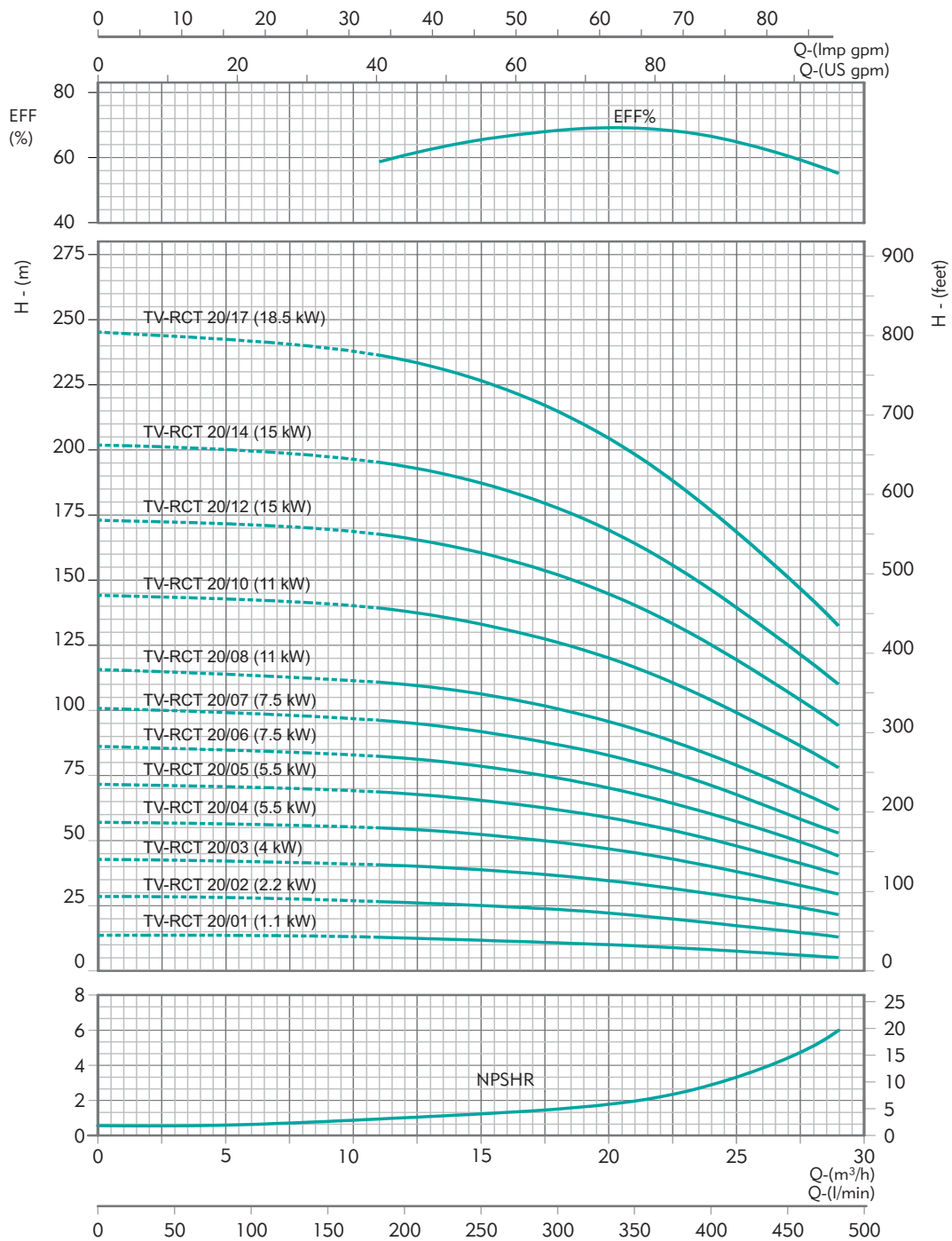
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC - 2½" x 2½"**
TV-RS - 2" x 2"

NOMINAL FLOW : **20m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC - 2½" x 2½"**
TV-RS - 2" x 2"

NOMINAL FLOW : **20m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	83.4	166.2	250.2	333.6	417	483.6
kW	HP		m³/h	5	10	15	20	25	29
1.1	1.5	TV-RCT 20/01	HEAD IN METRES	13.7	13	12	10	7.5	5
2.2	3.0	TV-RCT 20/02		28	26	25	22.5	17.5	13
4.0	5.5	TV-RCT 20/03		42	41.5	38.7	34	28	22
5.5	7.5	TV-RCT 20/04		56.2	55	52.5	47	38	29
5.5	7.5	TV-RCT 20/05		70.5	69	65.5	58.8	47.5	37
7.5	10	TV-RCT 20/06		85	83	76.2	67.5	57.5	44.5
7.5	10	TV-RCT 20/07		98.5	97	92	82.5	67.5	52.5
11	15	TV-RCT 20/08		113.7	112	106.7	96	78.5	62
11	15	TV-RCT 20/10		142.5	140	133	120	98	66
15	20	TV-RCT 20/12		171	168.8	160.5	145	119	94
15	20	TV-RCT 20/14		200	197	187.5	169	137	110
18.5	25	TV-RCT 20/17		242.5	238	226	204	168	132.5

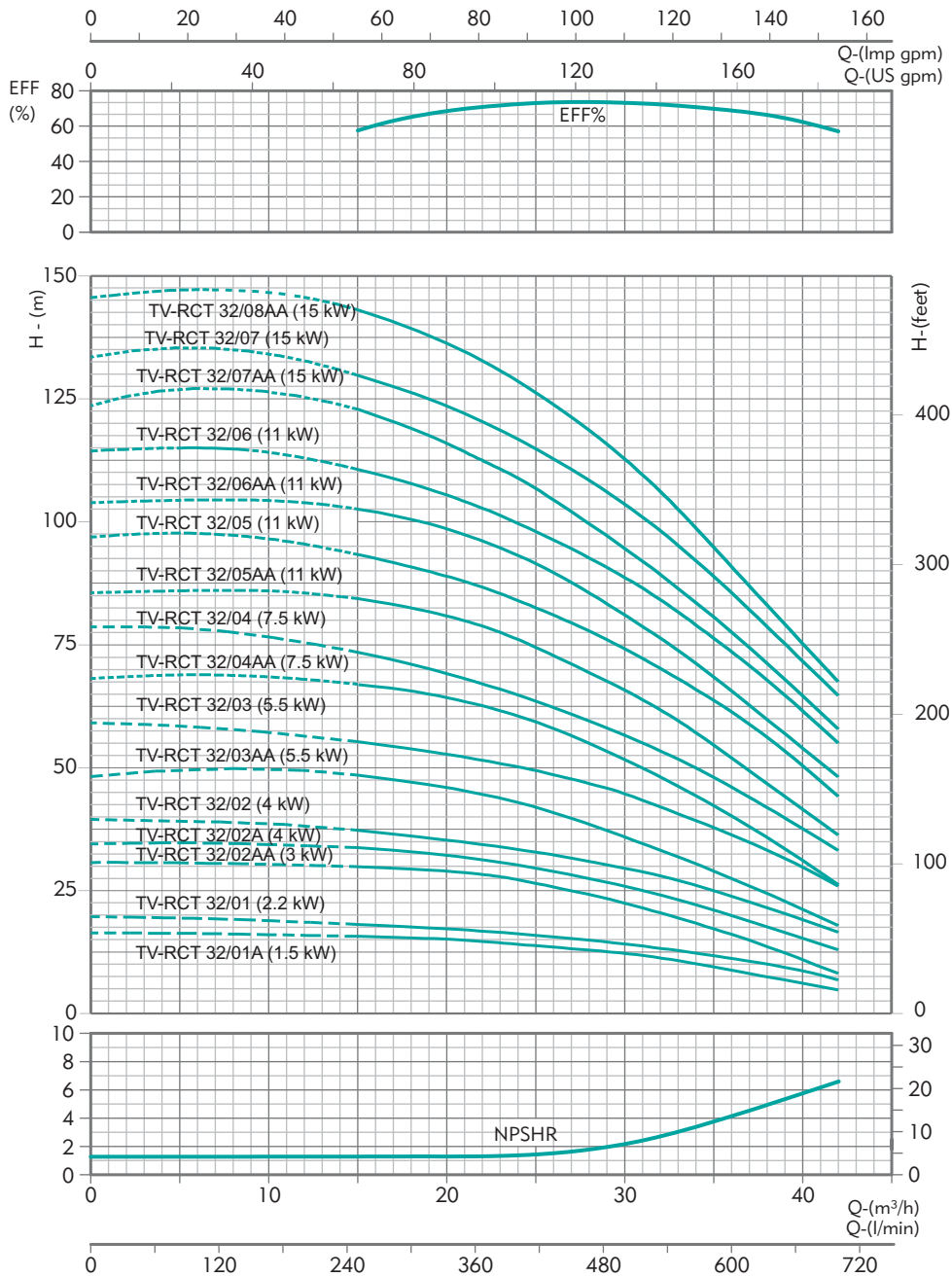
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **32m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **32m³/h**

2900 rpm

POWER		PUMP MODEL	lpm m ³ /h	166.8	250.2	333.6	417	500.4	583.8	700.2
kW	HP			10	15	20	25	30	35	42
1.5	2	TV-RCT 32/01A	HEAD IN METRES	16.5	16	15	14	13	9	5
2.2	3	TV-RCT 32/01		19	18	17	16	14	12	7
3	4	TV-RCT 32/02AA		30.5	30	29	26	23	17	8
4	5.5	TV-RCT 32/02A		34	33	32	29.5	26	21	13
4	5.5	TV-RCT 32/02		38	37	35	33	29.5	25	17
5.5	7.5	TV-RCT 32/03AA		50	48	46	42	36	28	18
5.5	7.5	TV-RCT 32/03		57	55	53	49.5	45	38	26
7.5	10	TV-RCT 32/04AA		68	67	64	59.5	52	43	26
7.5	10	TV-RCT 32/04		76	74	69	64	56	47	34
11	15	TV-RCT 32/05AA		87	84	81	75	66	55	36
11	15	TV-RCT 32/05		97.5	94	89	83	74	64	44
11	15	TV-RCT 32/06AA		105	103	98	93	82	68	48
11	15	TV-RCT 32/06		114	111	105	98	88	76	55
15	20	TV-RCT 32/07AA		126	123	116	107	95	81	57
15	20	TV-RCT 32/07		134	130	123	115	104	89	65
15	20	TV-RCT 32/08AA		146.5	143	136	126	113	95	67

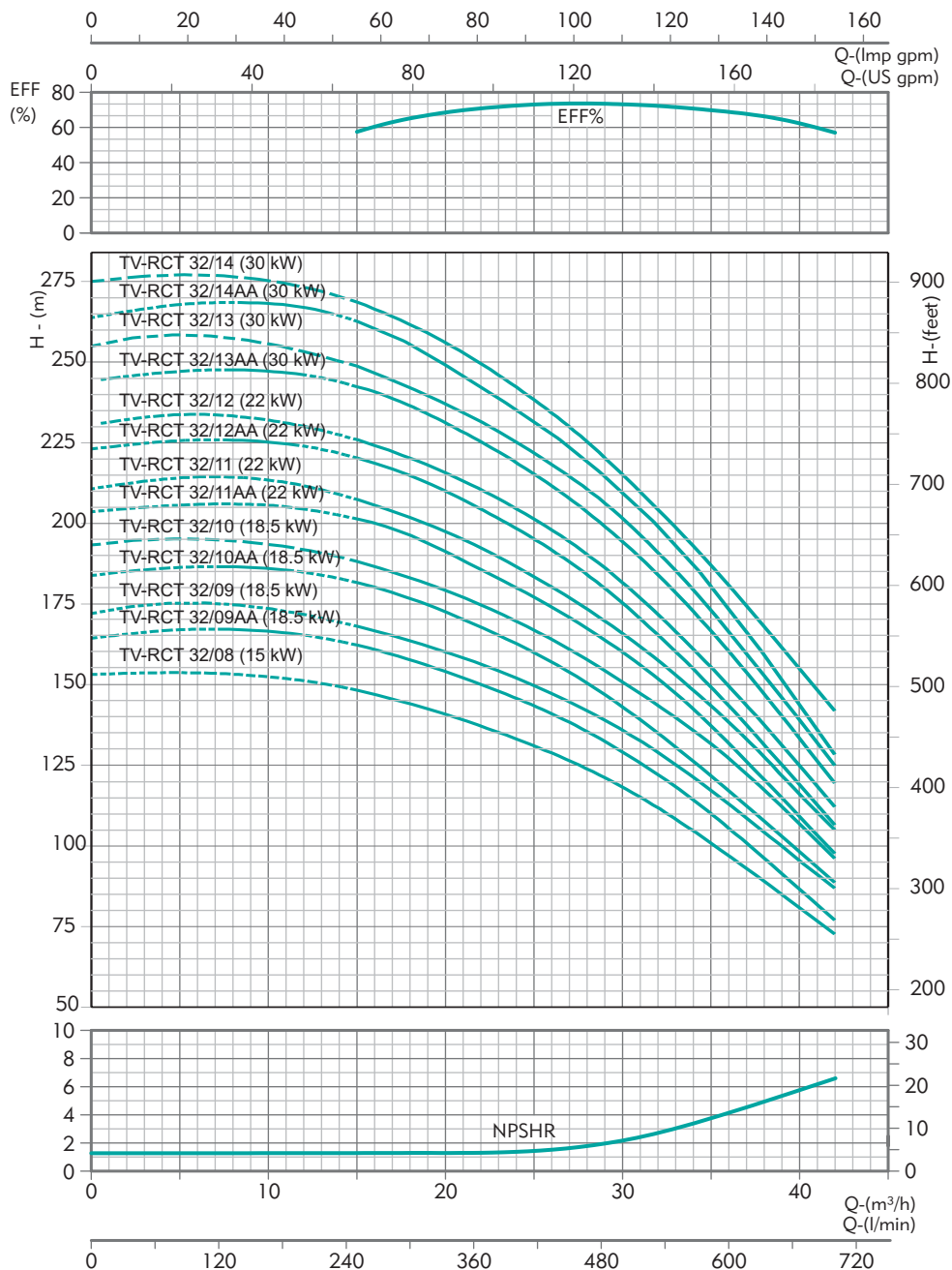
* A / AA Denotes abridged version.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **32m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **32m³/h**

2900 rpm

POWER		PUMP MODEL	lpm m ³ /h	166.8	250.2	333.6	417	500.4	583.8	700.2
kW	HP			10	15	20	25	30	35	42
15	20	TV-RCT 32/08	HEAD IN METRES	152	148	141	131	118	101	73
18.5	25	TV-RCT 32/09AA		166	163	154	143	129	110	77
18.5	25	TV-RCT 32/09		174	168	160	150	136	117	88
18.5	25	TV-RCT 32/10AA		185	182	173	160	144	122	89
18.5	25	TV-RCT 32/10		194	189	180	167	150	132	97
22	30	TV-RCT 32/11AA		205	202	191	177	160	137	97
22	30	TV-RCT 32/11		213	208	197	184	165	144	105
22	30	TV-RCT 32/12AA		225	220	210	195	175	150	107
22	30	TV-RCT 32/12		232	226	215	202	182	155	113
30	40	TV-RCT 32/13AA		247	243	231	215	195	167	120
30	40	TV-RCT 32/13		255	249	237	222	202	173	125
30	40	TV-RCT 32/14AA		269	263	250	232	210	180	129
30	40	TV-RCT 32/14		275	269	256	239	215	187	142

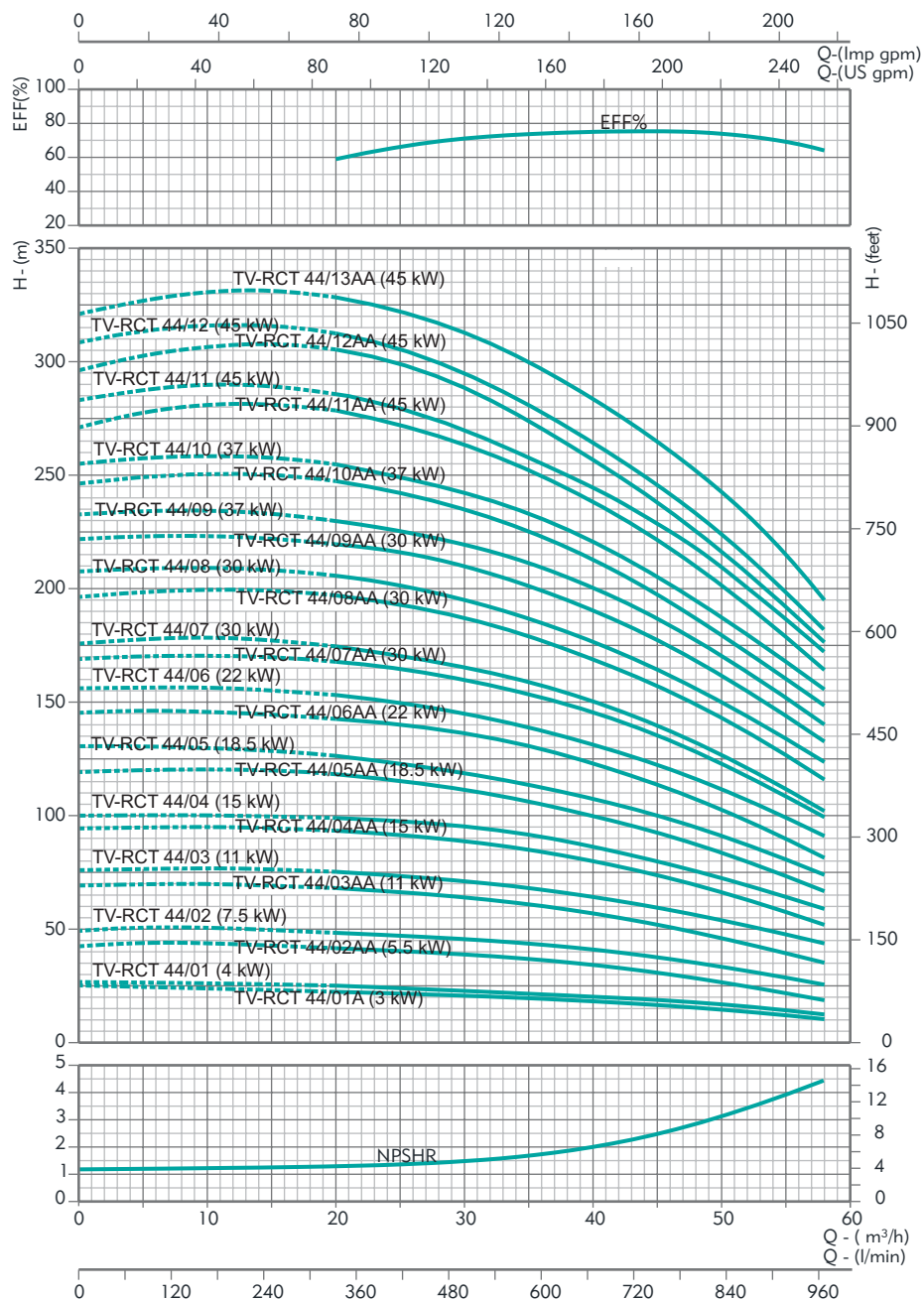
* A / AA Denotes abridged version.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **44m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **44m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	166.8	333.6	500.4	666.6	832.8	966.6
kW	HP		m ³ /h	10	20	30	40	50	58
3	4	TV-RCT 44/01A	HEAD IN METRES	24	22	20	18	15	10
4	5.5	TV-RCT 44/01		25.5	25	22	20	16.5	12.5
5.5	7.5	TV-RCT 44/02AA		44	41	39	34.5	26	19
7.5	10	TV-RCT 44/02		50.5	49	45	40.5	34	25
11	15	TV-RCT 44/03AA		70	68	64	56.5	41	35
11	15	TV-RCT 44/03		76.5	75	70.5	64	54	44
15	20	TV-RCT 44/04AA		95	94	89	80	65.5	52
15	20	TV-RCT 44/04		100	99	95	86	72.5	59
18.5	25	TV-RCT 44/05AA		120	118	111	100	84	66
18.5	25	TV-RCT 44/05		130	126	119	107	90.5	74.5
22	30	TV-RCT 44/06AA		145.5	142.5	136	123	103	81
22	30	TV-RCT 44/06		156	153	145	131	112	91
30	40	TV-RCT 44/07AA		170	168	160	145	123	100
30	40	TV-RCT 44/07		178.5	175	165	150	126	102.5
30	40	TV-RCT 44/08AA		200	196.5	187	169	143	116
30	40	TV-RCT 44/08		209.5	205	195	176	150	124
30	40	TV-RCT 44/09AA		224	220	210	190	162	133
37	50	TV-RCT 44/09		235	230	220	200	170	140
37	50	TV-RCT 44/10AA		250	247.5	235	213	180	149
37	50	TV-RCT 44/10		258	255	242.5	220	187	155
45	60	TV-RCT 44/11AA		280.5	278	264	238	201	165
45	60	TV-RCT 44/11		290	285	270	245	210	173
45	60	TV-RCT 44/12AA		306	305	289	256	215	176
45	60	TV-RCT 44/12		315.5	313	295	265	224	182
45	60	TV-RCT 44/13AA		330.5	328	314	284	242	195

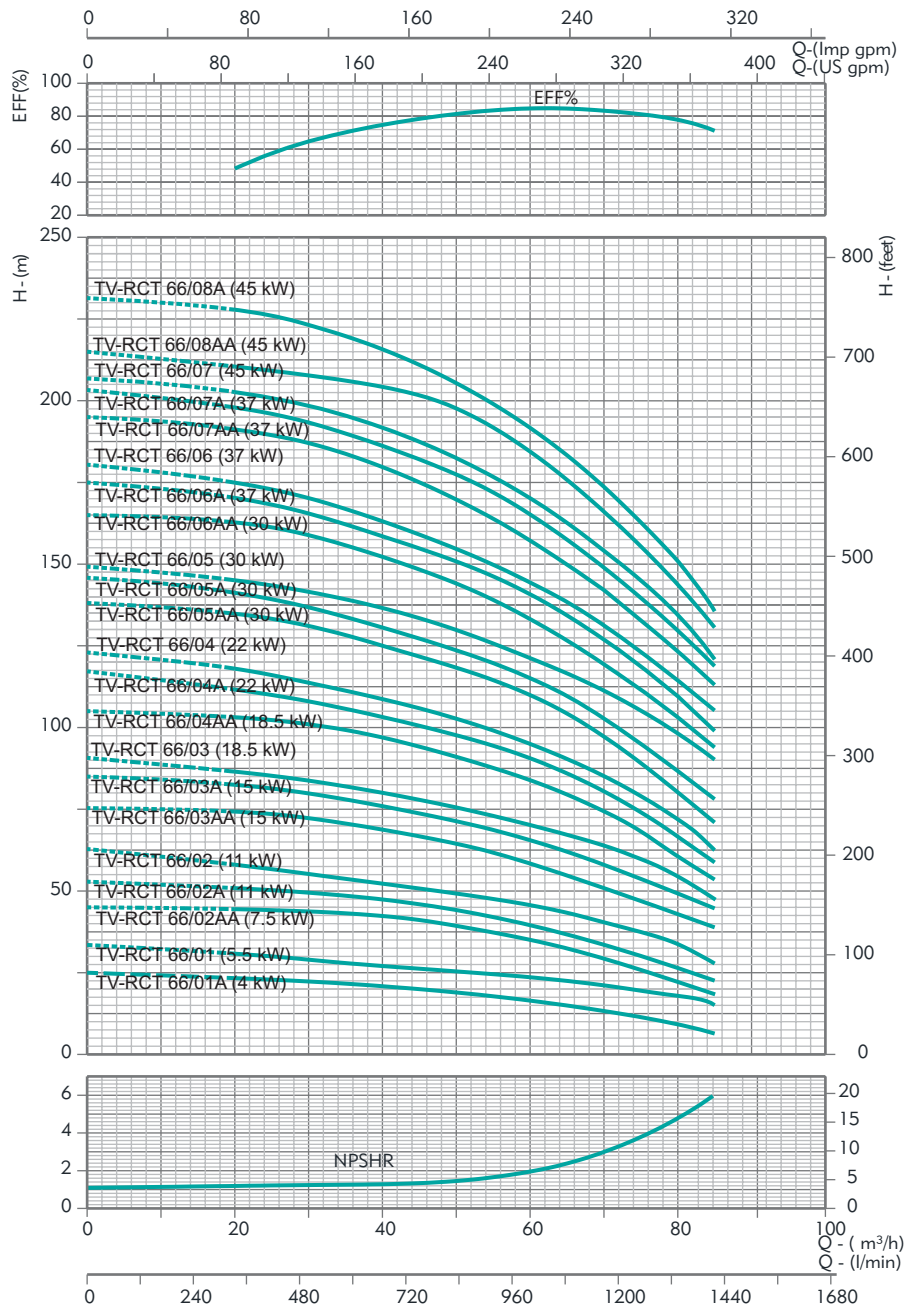
* A / AA Denotes abridged version.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 4" x 4"**

NOMINAL FLOW : **66m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 4" x 4"**

NOMINAL FLOW : **66m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	333.6	667.2	1000.8	1334.4	1417.8
kW	HP		m ³ /h	20	40	60	80	85
4	5.5	TV-RCT 66/01A	HEAD IN METRES	23	21	17	09	06
5.5	7.5	TV-RCT 66/01		32	27	23	17	15
7.5	10	TV-RCT 66/02AA		44	42	35	23	18
11	15	TV-RCT 66/02A		51	47	39	26	23
11	15	TV-RCT 66/02		58	52	46	34	28
15	20	TV-RCT 66/03AA		74	68	58	43	38
15	20	TV-RCT 66/03A		82	76	66	49	44
18.5	25	TV-RCT 66/03		87	80	70	55	47
18.5	25	TV-RCT 66/04AA		103	97	84	60	53
22	30	TV-RCT 66/04A		112	103	91	67	58
22	30	TV-RCT 66/04		118	108	95	72	63
30	40	TV-RCT 66/05AA		135	125	110	79	71
30	40	TV-RCT 66/05A		142	131	115	88	78
30	40	TV-RCT 66/05		145	137	121	98	90
30	40	TV-RCT 66/06AA		163	153	138	103	94
37	50	TV-RCT 66/06A		170	158	141	110	98
37	50	TV-RCT 66/06		175	163	144	115	110
37	50	TV-RCT 66/07AA		192	180	157	123	113
37	50	TV-RCT 66/07A		198	186	165	130	118
45	60	TV-RCT 66/07		203	192	170	139	121
45	60	TV-RCT 66/08AA		211	204	184	144	132
45	60	TV-RCT 66/08A		227	216	192	151	136

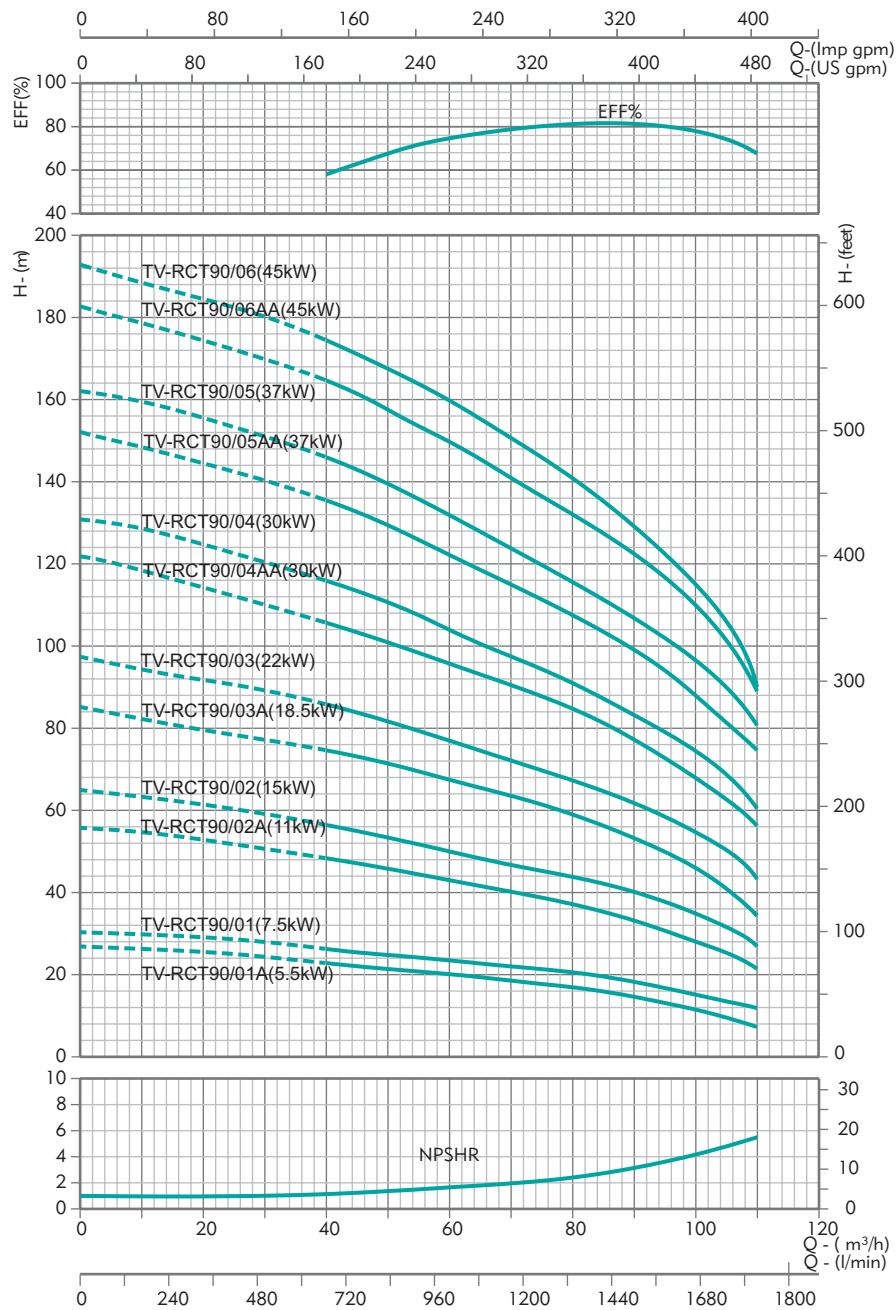
* A / AA Denotes abridged version.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 4" x 4"**

NOMINAL FLOW : **90m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 4" x 4"**

NOMINAL FLOW : **90m³/h**

2900 rpm

POWER		PUMP MODEL	lpm	333.6	667.2	1000.8	1334.4	1668	1834.8
kW	HP		m ³ /h	20	40	60	80	100	110
5.5	7.5	TV-RCT 90/01A	HEAD IN METRES	26	23	20	17	12	7
7.5	10	TV-RCT 90/01		29	26	23	21	15	12
11	15	TV-RCT 90/02A		53	48	43	37	28	21
15	20	TV-RCT 90/02		62	56	50	44	35	27
18.5	25	TV-RCT 90/03A		80	75	68	59	46	34
22	30	TV-RCT 90/03		92	86	77	67	55	43
30	40	TV-RCT 90/04AA		114	106	96	85	68	56
30	40	TV-RCT 90/04		125	116	104	91	74	60
37	50	TV-RCT 90/05AA		144	136	122	108	88	75
37	50	TV-RCT 90/05		156	146	132	116	96	81
45	60	TV-RCT 90/06AA		174	165	150	132	110	89
45	60	TV-RCT 90/06		184	174	160	141	115	90

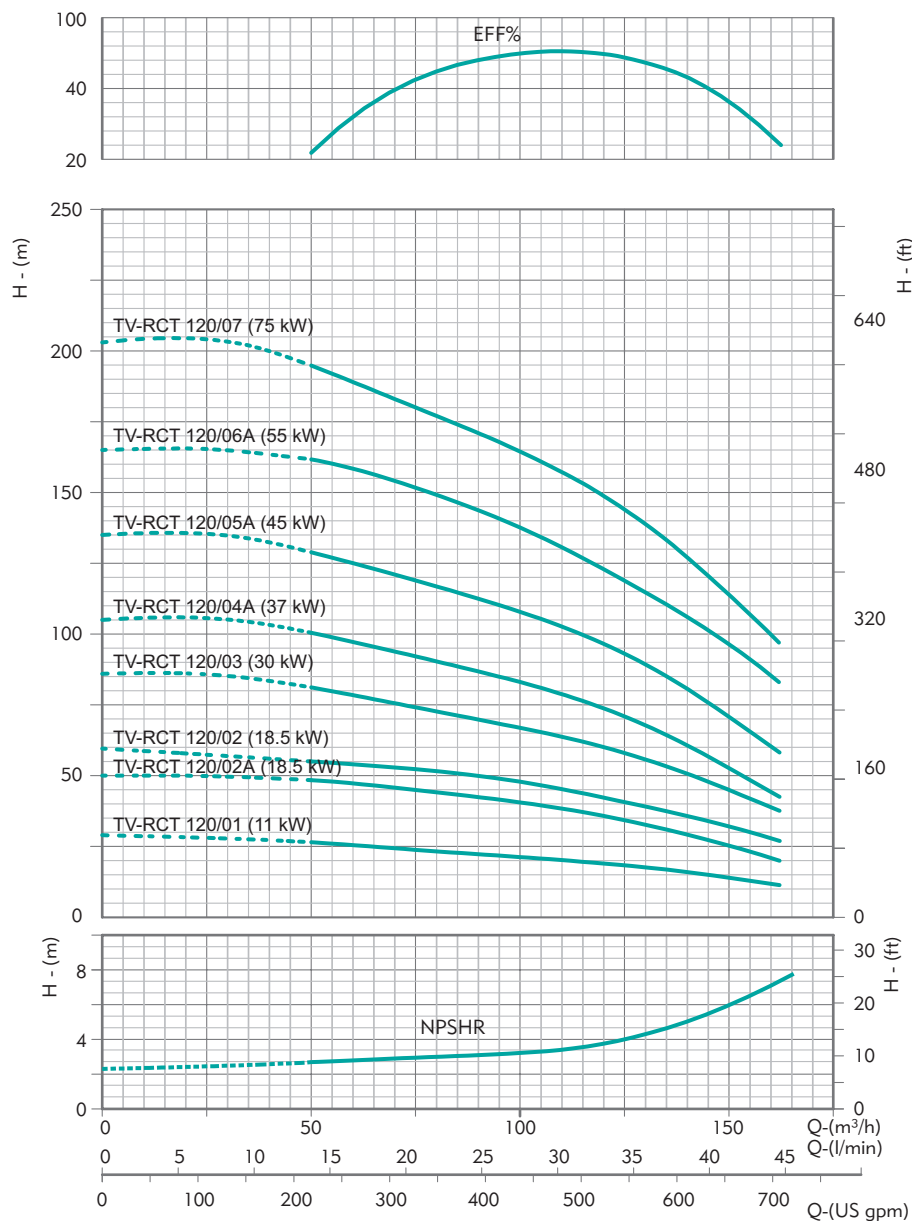
* A / AA Denotes abridged version.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 5" x 5"**

NOMINAL FLOW : **120m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 5" x 5"**

NOMINAL FLOW : **120m³/h**

2900 rpm

POWER		PUMP MODEL	lps	0	13.88	20.83	27.77	34.72	41.66	45
kW	HP		m ³ /h	0	50	75	100	125	150	162
11	15	TV-RCT 120/01	HEAD IN METRES	29	26	24	21	18	14	12
18.5	25	TV-RCT 120/02A		50	48	45	40	34	25	19.5
22	30	TV-RCT 120/02		58	56	49	44	38	30	25
30	40	TV-RCT 120/03		86	81	74	66	56	45	37
37	50	TV-RCT 120/04A		105	100	92	83	70	52	43
45	60	TV-RCT 120/04		114	108	99	90	78	60	50
45	60	TV-RCT 120/05A		135	129	119	108	93	70	58
55	75	TV-RCT 120/05		144	134	127	116	102	80	68
55	75	TV-RCT 120/06A		164	161.5	151.5	137	119	96	83
75	100	TV-RCT 120/07		202	194	180	164	144	114	97

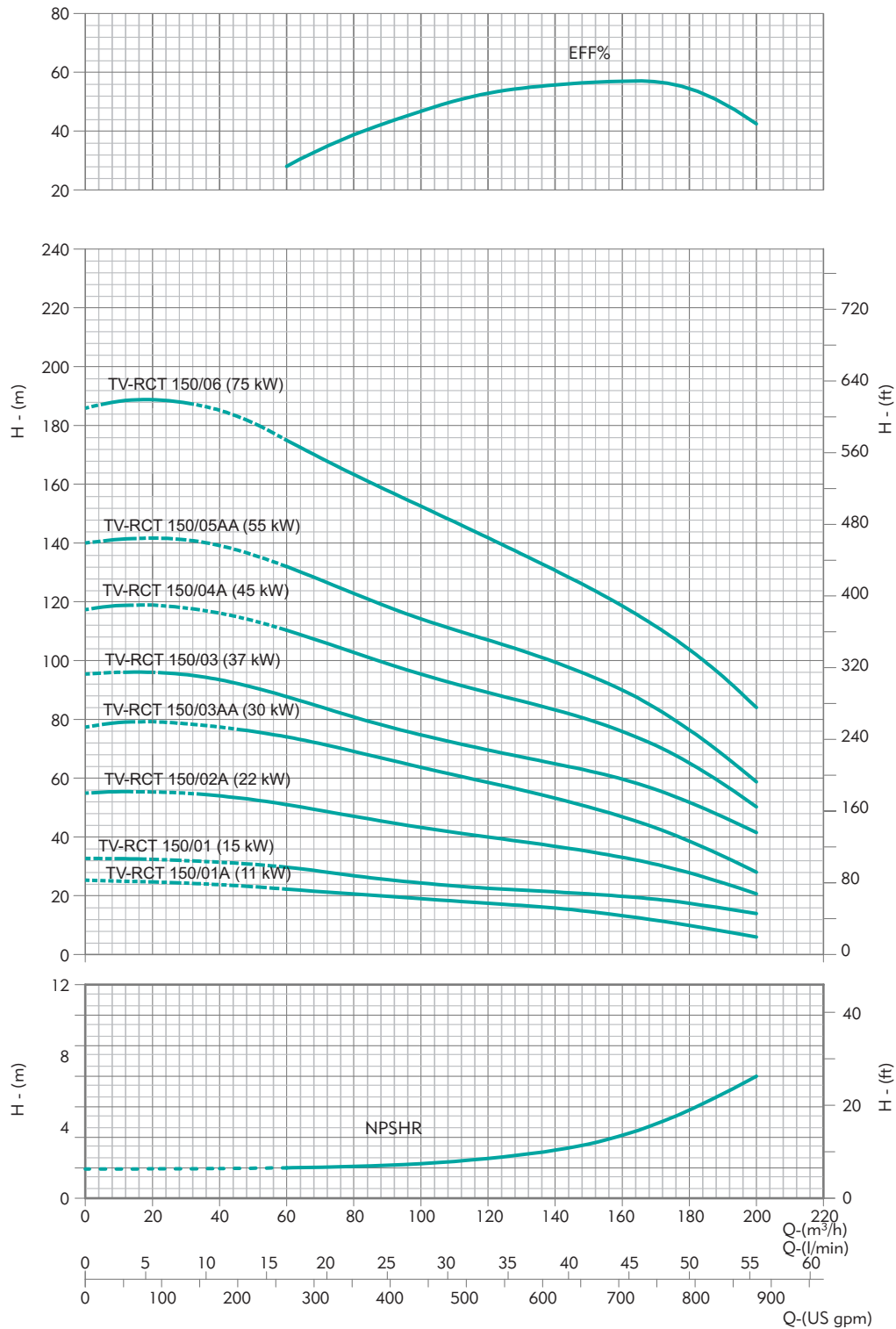
* A / AA Denotes abridged version.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 5" x 5"**

NOMINAL FLOW : **150m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 5" x 5"**

NOMINAL FLOW : **150m³/h**

2900 rpm

POWER		PUMP MODEL	lps m ³ /h	0	13.88	22.24	33.36	44.48	55.6
kW	HP			0	50	80	120	160	200
11	15	TV-RCT 150/01A	HEAD IN METRES	25	22	20.5	17	13	6
15	20	TV-RCT 150/01		33	30	26.5	23	20	14.5
22	30	TV-RCT 150/02A		55	52	47	40	33	20.5
30	40	TV-RCT 150/02		61	60	54	46	39	27
30	40	TV-RCT 150/03AA		77	75	69	59	47	28
37	50	TV-RCT 150/03		95.5	91	80.5	70	60	41
45	60	TV-RCT 150/04A		117	114	103	88.5	76	50
55	75	TV-RCT 150/05AA		140	186	123	107	90	59.5
75	100	TV-RCT 150/05		155	150	136.5	118	100	71
75	100	TV-RCT 150/06		186	180	165	142	119	84

* A / AA Denotes abridged version.

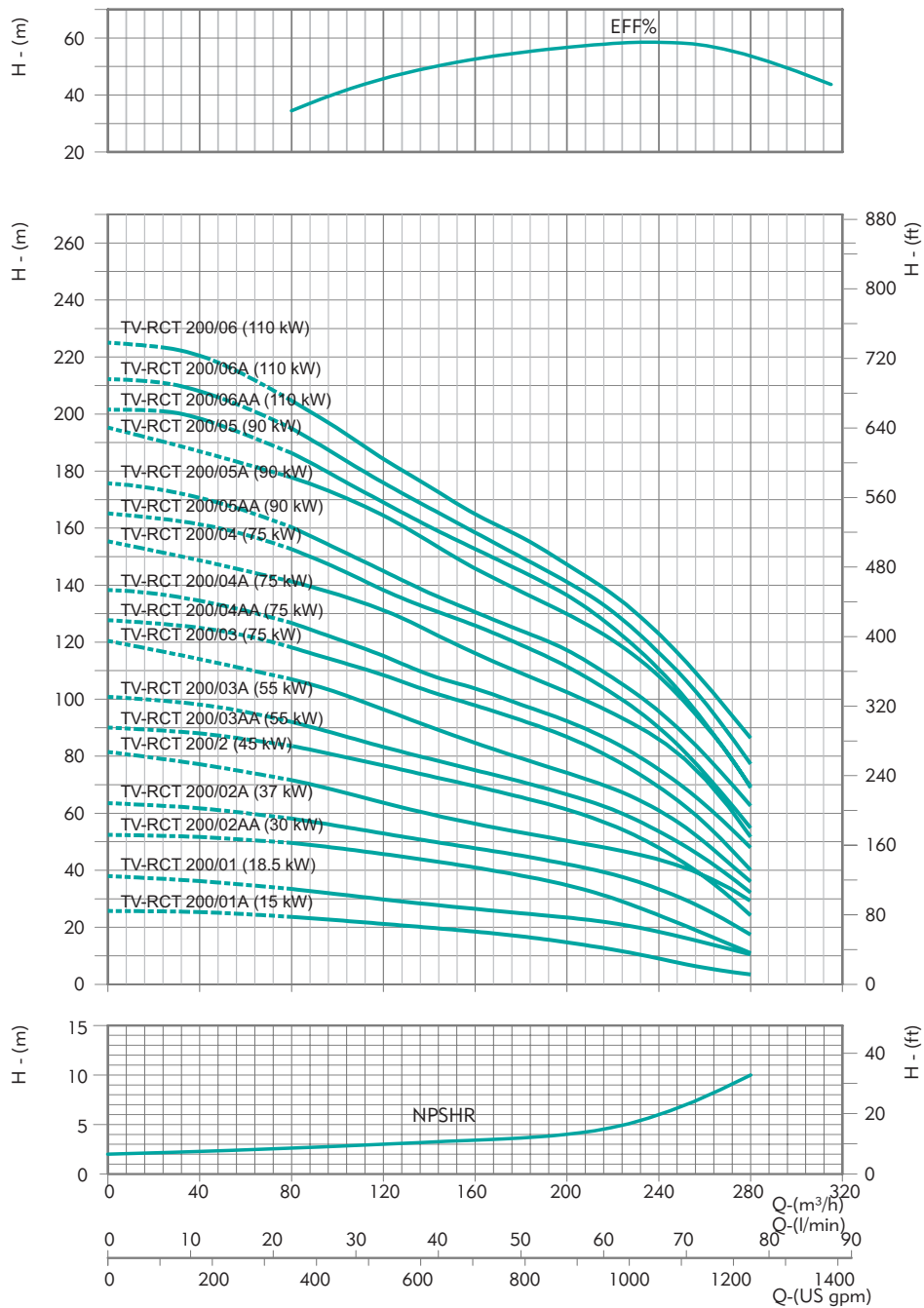
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

PERFORMANCE CURVES

PIPE SIZE : **TV-RC/S/N - 6" x 6"**

NOMINAL FLOW : **200m³/h**

2900 rpm



The given performance is common to all types of materials of construction.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

PERFORMANCE DATA

PIPE SIZE : **TV-RC/S/N - 6" x 6"**

NOMINAL FLOW : **200m³/h**

2900 rpm

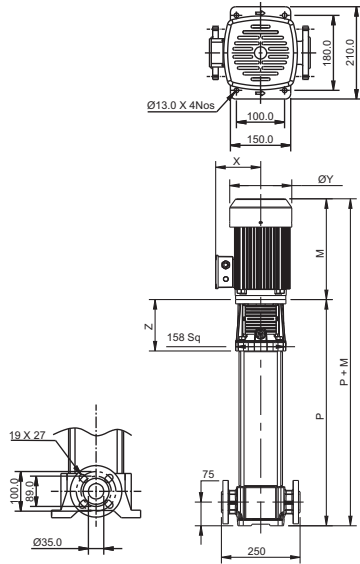
POWER		PUMP MODEL	lps	0	13.88	27.77	41.66	55.56	69.44	77.78
kW	HP		m ³ /h	0	50	100	150	200	250	280
15	20	TV-RCT 200/01A	HEAD IN METRES	26	23	23	19	15	7	4
18.5	25	TV-RCT 200/01		38	32	32	27	23.5	16.5	10.5
30	40	TV-RCT 200/02AA		53	49	49	42	35	21	11
37	50	TV-RCT 200/02A		64	55	55	49	42	30	18
45	60	TV-RCT 200/02		82	68	68	58	50	41	29.5
55	75	TV-RCT 200/03AA		90	80	80	71	61	43	24
55	75	TV-RCT 200/03A		101	88	88	76	66	49	33
75	100	TV-RCT 200/03		120	102	102	87	74	56	32
75	100	TV-RCT 200/04AA		127	114	114	101	86	64	40
75	100	TV-RCT 200/04A		138	121	121	106	92	70	48
75	100	TV-RCT 200/04		156	137	137	120	102	80	52
90	120	TV-RCT 200/05AA		165	146	146	129	111	83	55
90	120	TV-RCT 200/05A		175	153	153	134	118	89	63
90	120	TV-RCT 200/05		196	172	172	150	128	100	69
110	150	TV-RCT 200/06AA		201	178	178	156	136	101	70
110	150	TV-RCT 200/06A		212	186	186	163	141	109	78
110	150	TV-RCT 200/06		225	195	195	170	148	115	86

* A / AA Denotes abridged version.

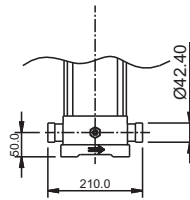
Replace the 3rd letter in the model name with C for cast iron construction and S (SS 304) & N (SS 316) for stainless steel construction.

DIMENSION DRAWINGS

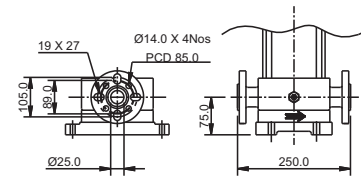
TVC (ROUND FLANGE)



TVS & N (PJE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC - 1¼" x 1¼"**
TV-RS - 1" x 1"

NOMINAL FLOW : **1m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)										APPROX.WEIGHT IN Kg						MOTOR FRAME SIZE
kW	HP		P			M		X		Y	Z	PUMP			MOTOR				
			TVC (R)	TVS&N (P)	TVS&N (R)	1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS&N (P)	TVS&N (R)	1Ph	3Ph			
0.37	0.5	TV-RCT 1/02	269	249	273	222	217	195	185	Ø140	145	14.45	9.25	10.85	10	9	71		
0.37	0.5	TV-RCT 1/03	287	267	291	222	217	195	185	Ø140	145	15.05	9.85	11.45	10	9	71		
0.37	0.5	TV-RCT 1/04	305	285	309	222	217	195	185	Ø140	145	15.68	10.48	12.08	10	9	71		
0.37	0.5	TV-RCT 1/05	323	303	327	222	217	195	185	Ø140	145	16.30	11.10	12.70	10	9	71		
0.37	0.5	TV-RCT 1/06	341	321	345	222	217	195	185	Ø140	145	16.93	11.73	13.33	10	9	71		
0.37	0.5	TV-RCT 1/07	359	339	363	222	217	195	185	Ø140	145	17.55	12.35	13.95	10	9	71		
0.55	0.75	TV-RCT 1/08	377	357	381	242	232	195	185	Ø140	145	18.18	12.98	14.58	11	10	71		
0.55	0.75	TV-RCT 1/09	395	375	399	242	232	195	185	Ø140	145	18.80	13.60	15.20	11	10	71		
0.55	0.75	TV-RCT 1/10	413	393	417	242	232	195	185	Ø140	145	19.43	14.23	15.83	11	10	71		
0.5	0.75	TV-RCT 1/11	431	411	435	242	232	195	185	Ø140	145	20.05	14.85	16.45	11	10	71		
0.75	1.0	TV-RCT 1/12	449	429	453	267	252	215	205	Ø160	145	20.68	15.48	17.08	12	11	80		
0.75	1.0	TV-RCT 1/13	467	447	471	267	252	215	205	Ø160	145	21.30	16.10	17.70	12	11	80		
0.75	1.0	TV-RCT 1/15	503	483	507	267	252	215	205	Ø160	145	22.55	17.35	18.95	12	11	80		
1.1	1.5	TV-RCT 1/17	539	519	543	284	264	215	205	Ø160	145	23.80	18.60	20.20	16	15	90		
1.1	1.5	TV-RCT 1/19	575	555	579	284	264	215	205	Ø160	145	25.05	19.85	21.45	16	15	90		
1.1	1.5	TV-RCT 1/21	611	591	615	284	264	215	205	Ø160	145	26.30	21.10	22.70	16	15	90		
1.1	1.5	TV-RCT 1/23	647	627	651	284	264	215	205	Ø160	145	27.55	22.35	23.95	16	15	90		
1.5	2	TV-RCT 1/25	701	681	705	294	295	242	222	Ø187	163	29.00	23.80	25.40	20	20	90		
1.5	2	TV-RCT 1/27	737	717	741	294	295	242	222	Ø187	163	30.25	25.05	26.65	20	20	90		
1.5	2	TV-RCT 1/30	791	771	795	294	295	242	222	Ø187	163	32.15	26.95	28.55	20	20	90		
2.2	3	TV-RCT 1/33	845	825	849	320	295	242	222	Ø187	163	34.05	28.85	30.45	21.5	20	90		
2.2	3	TV-RCT 1/36	899	879	903	320	295	242	222	Ø187	163	35.95	30.75	32.35	21.5	20	90		

Note : Face mounted motor (B14) - 0.37 to 7.5 kW

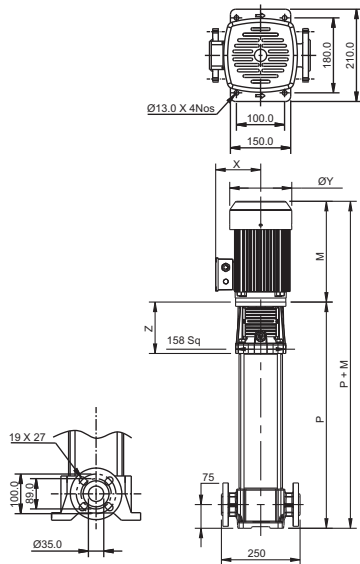
The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

The given performance is common to all types of materials of construction.

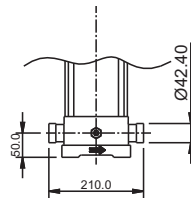
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS

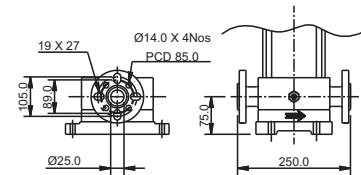
TVC (ROUND FLANGE)



TVS & N (PJE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC - 1 1/4" x 1 1/4"**
TV-RS - 1" x 1"

NOMINAL FLOW : **2m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)									APPROX.WEIGHT IN Kg					MOTOR FRAME SIZE
kW	HP		P			M		X		Y	Z	PUMP			MOTOR		
			TVC (R)	TVS&N (P)	TVS&N (P)	1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS&N (P)	TVS&N (P)	1Ph	3Ph	
0.37	0.50	TV-RCT 2/02	269	249	273	222	217	195	185	Ø140	145	14.50	9.30	10.90	10	9	71
0.37	0.50	TV-RCT 2/03	287	267	291	222	217	195	185	Ø140	145	15.15	9.90	11.50	10	9	71
0.55	0.75	TV-RCT 2/04	305	285	309	242	232	195	185	Ø140	145	15.80	10.55	12.15	11	10	71
0.55	0.75	TV-RCT 2/05	323	303	327	242	232	195	185	Ø140	145	16.40	11.20	12.80	11	10	71
0.75	1.0	TV-RCT 2/06	341	321	345	267	252	215	205	Ø160	145	17.00	11.80	13.40	12	11	80
0.75	1.0	TV-RCT 2/07	359	339	363	267	252	215	205	Ø160	145	17.65	12.40	14.00	12	11	80
1.1	1.5	TV-RCT 2/09	395	375	399	284	264	215	205	Ø160	145	18.90	13.70	15.30	16	15	80
1.1	1.5	TV-RCT 2/11	431	411	435	284	264	215	205	Ø160	145	19.50	14.90	16.50	16	15	80
1.5	2.0	TV-RCT 2/13	485	465	489	294	295	242	222	Ø187	163	21.00	16.40	17.95	20	20	90
1.5	2.0	TV-RCT 2/15	521	501	525	294	295	242	222	Ø187	163	22.20	17.60	19.20	20	20	90
2.2	3.0	TV-RCT 2/18	575	555	579	320	295	242	222	205SQ	163	24.10	19.50	21.10	21.50	20	90
2.2	3.0	TV-RCT 2/22	647	627	651	320	295	242	222	205SQ	163	26.60	22.00	23.60	21.50	20	90
3.0	4.0	TV-RCT 2/26	719	699	723	340	320	242	222	205SQ	163	29.10	24.50	26.10	23	21.5	100

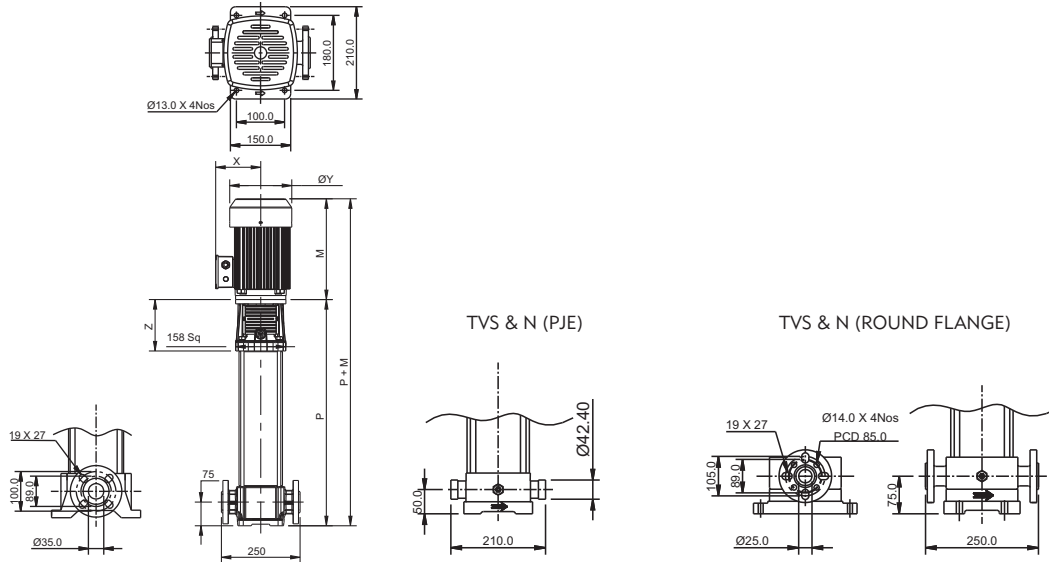
Note : Face mounted motor (B14) - 0.37 to 7.5 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS

TVC (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC - 1¼" x 1¼"**
TV-RS - 1" x 1"

NOMINAL FLOW : **3m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)										APPROX.WEIGHT IN Kg					MOTOR FRAME SIZE
kW	HP		P			M		X		Y	Z	PUMP			MOTOR			
			TVC (R)	TVS&N (PJE)	TVS&N (R)	1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS&N (PJE)	TVS&N (R)	1Ph	3Ph		
0.37	0.5	TV-RCT 3/02	269	249	273	222	217	195	185	Ø140	145	14.45	9.25	10.85	10.0	9.0	71	
0.37	0.5	TV-RCT 3/03	287	267	291	222	217	195	185	Ø140	145	15.05	9.85	11.45	10.0	9.0	71	
0.37	0.5	TV-RCT 3/04	305	285	309	222	217	195	185	Ø140	145	15.68	10.48	12.08	10.0	9.0	71	
0.37	0.5	TV-RCT 3/05	323	303	327	222	217	195	185	Ø140	145	16.30	11.10	12.70	10.0	9.0	71	
0.55	0.75	TV-RCT 3/06	341	321	345	242	232	195	185	Ø140	145	16.93	11.73	13.33	11.0	10.0	71	
0.55	0.75	TV-RCT 3/07	359	339	363	242	232	195	185	Ø140	145	17.55	12.35	13.95	11.0	10.0	71	
0.75	1.0	TV-RCT 3/08	377	357	381	267	252	215	205	Ø160	145	18.18	12.98	14.58	12.0	11.0	80	
0.75	1.0	TV-RCT 3/09	395	375	399	267	252	215	205	Ø160	145	18.80	13.60	15.20	12.0	11.0	80	
0.75	1.0	TV-RCT 3/10	413	393	417	267	252	215	205	Ø160	145	19.43	14.23	15.83	12.0	11.0	80	
1.1	1.5	TV-RCT 3/11	431	411	435	284	264	215	205	Ø160	145	20.05	14.85	16.45	16.0	15.0	80	
1.1	1.5	TV-RCT 3/12	449	429	453	284	264	215	205	Ø160	145	20.68	15.48	17.08	16.0	15.0	80	
1.1	1.5	TV-RCT 3/13	467	447	471	284	264	215	205	Ø160	145	21.30	16.10	17.70	16.0	15.0	80	
1.1	1.5	TV-RCT 3/15	503	483	507	284	264	215	205	Ø160	145	22.55	17.35	18.95	16.0	15.0	80	
1.5	2.0	TV-RCT 3/17	557	537	561	294	295	242	222	Ø187	163	24.00	18.80	20.40	20.0	20.0	90	
1.5	2.0	TV-RCT 3/19	593	573	597	294	295	242	222	Ø187	163	25.25	20.25	21.85	21.50	20.0	90	
2.2	3.0	TV-RCT 3/21	629	609	633	320	295	242	222	Ø187	163	26.50	21.70	23.30	21.50	20.0	90	
2.2	3.0	TV-RCT 3/23	665	645	669	320	295	242	222	Ø187	163	27.75	23.15	24.75	21.50	20.0	90	
2.2	3.0	TV-RCT 3/25	701	681	705	320	295	242	222	Ø187	163	29.00	24.60	26.20	21.50	20.0	90	
2.2	3.0	TV-RCT 3/27	737	717	741	320	295	242	222	Ø187	163	30.25	26.05	27.65	21.50	20.0	90	
2.2	3.0	TV-RCT 3/29	773	753	777	320	295	242	222	Ø187	163	31.50	27.50	29.10	21.50	20.0	90	
3.0	4.0	TV-RCT 3/31	809	789	813	340	320	242	222	Ø187	163	32.75	28.75	30.35	23.00	21.50	100	
3.0	4.0	TV-RCT 3/33	845	825	849	340	320	242	222	Ø187	163	34.05	30.05	31.65	23.00	21.50	100	
3.0	4.0	TV-RCT 3/36	899	879	903	340	320	242	222	Ø187	163	35.95	31.95	33.55	23.00	21.50	100	

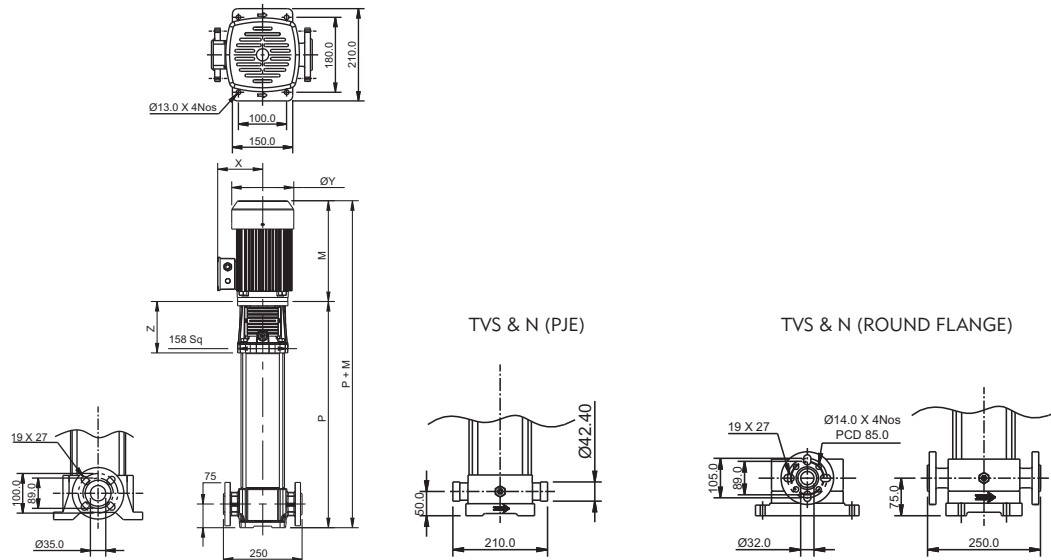
Note : Face mounted motor (B14) - 0.37 to 7.5 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS

TVC (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 1¼" x 1¼"**

NOMINAL FLOW : **5m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)										APPROX.WEIGHT IN Kg					MOTOR FRAME SIZE
kW	HP		P			M		X		Y	Z	PUMP			MOTOR			
			TVC (R)	TVS&N (PJE)	TVS&N (R)	1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS&N (PJE)	TVS&N (R)	1Ph	3Ph		
0.37	0.5	TV-RCT 5/02	287	267	291	222	217	195	185	Ø140	145	16.10	10.90	12.50	10.0	9.0	71	
0.55	0.75	TV-RCT 5/03	314	294	318	242	232	195	185	Ø140	145	17.00	11.80	13.40	11.0	10.0	71	
0.55	0.75	TV-RCT 5/04	341	321	345	242	232	195	185	Ø140	145	17.90	12.70	14.30	11.0	10.0	71	
0.75	1.0	TV-RCT 5/05	368	348	372	267	252	215	205	Ø160	145	18.80	13.60	15.20	12.0	11.0	80	
1.1	1.5	TV-RCT 5/06	395	375	399	284	264	215	205	Ø160	145	19.70	14.50	16.10	16.0	15.0	80	
1.1	1.5	TV-RCT 5/07	422	402	426	284	264	215	205	Ø160	145	20.60	15.40	17.00	16.0	15.0	80	
1.1	1.5	TV-RCT 5/08	449	429	453	284	264	215	205	Ø160	145	21.50	16.30	17.90	16.0	15.0	80	
1.5	2.0	TV-RCT 5/09	494	474	498	294	295	242	222	Ø187	163	22.60	17.40	19.00	20.0	20.0	90	
1.5	2.0	TV-RCT 5/10	521	501	525	294	295	242	222	Ø187	163	23.50	18.30	19.90	20.0	20.0	90	
2.2	3.0	TV-RCT 5/11	548	528	552	320	295	242	222	Ø187	163	24.40	19.20	20.80	21.50	20.0	90	
2.2	3.0	TV-RCT 5/12	575	555	579	320	295	242	222	Ø187	163	25.30	20.10	21.70	21.50	20.0	90	
2.2	3.0	TV-RCT 5/13	602	582	606	320	295	242	222	Ø187	163	26.20	21.00	22.60	21.50	20.0	90	
2.2	3.0	TV-RCT 5/14	629	609	633	320	295	242	222	Ø187	163	27.10	21.90	23.50	21.50	20.0	90	
2.2	3.0	TV-RCT 5/15	656	636	660	320	295	242	222	Ø187	163	28.00	22.80	24.40	21.50	20.0	90	
2.2	3.0	TV-RCT 5/16	683	663	687	320	295	242	222	Ø187	163	28.90	23.70	25.30	21.50	20.0	90	
3.0	4.0	TV-RCT 5/18	737	717	741	340	295	242	222	Ø187	163	30.70	25.50	27.10	23.0	21.50	100	
3.0	4.0	TV-RCT 5/20	791	771	795	340	320	242	222	Ø187	163	32.50	27.30	28.90	23.0	21.50	100	
4.0	5.5	TV-RCT 5/22	845	825	849	-	320	242	222	Ø187	163	34.30	29.10	30.70	-	26.0	100	
4.0	5.5	TV-RCT 5/24	899	879	903	-	340	-	222	Ø187	163	36.10	30.90	32.50	-	26.0	100	
4.0	5.5	TV-RCT 5/26	953	933	957	-	340	-	222	Ø187	163	37.90	32.70	34.30	-	26.0	100	
4.0	5.5	TV-RCT 5/29	1034	1014	1038	-	340	-	222	Ø187	163	40.60	35.40	37.00	-	26.0	100	
5.5	7.5	TV-RCT 5/32	1149	1129	1153	-	385	-	190	Ø254	197	43.60	38.40	40.00	-	70.50	132S	
5.5	7.5	TV-RCT 5/36	1257	1237	1261	-	385	-	190	Ø254	197	47.20	42.00	43.60	-	70.50	132S	

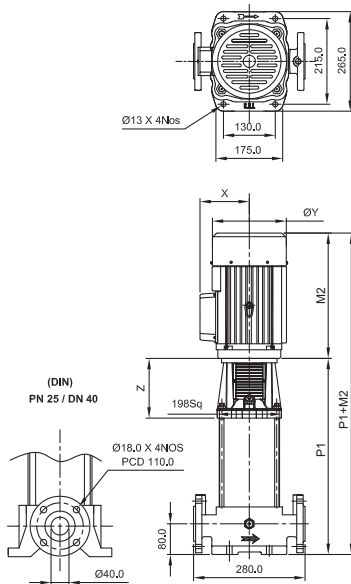
Note : Face mounted motor (B14) - 0.37 to 7.5 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

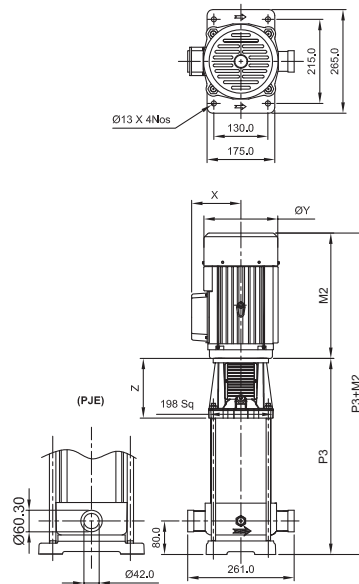
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS

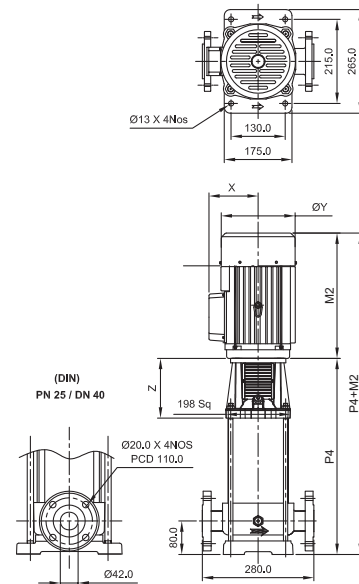
TVC (ROUND FLANGE)



TVS & N (PJE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 1½" x 1½"**

NOMINAL FLOW : **10m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (APPROX)									APPROX NETT WEIGHT WITHOUT PACKING IN kg					MOTOR FRAME SIZE
kW	HP		P1	M2		P3	P4	X		ØY	Z	PUMP			MOTOR		
				1Ph	3Ph			1Ph	3Ph			TVC (R)	TVS & N (P)	TVS & N (R)	1Ph	3Ph	
0.37	0.5	TV-RCT 10/01	308	222	217	312	312	132.5	118.5	138	173	32.5	27.5	28.5	9.0	8.0	71
0.75	1	TV-RCT 10/02	338	267	252	342	342	147	116	138	173	33.5	28.5	29.5	12.0	14.0	80
1.1	1.5	TV-RCT 10/03	368	284	265	372	372	141	120	160	173	34.5	29.5	30.5	13.5	13.0	80
1.5	2	TV-RCT 10/04	413	280	292	417	417	144	131	176	187	35.5	30.5	31.5	16.5	15.0	90
2.2	3	TV-RCT 10/05	443	315	311	447	447	144	131	176	187	36.5	31.5	32.5	20.0	17.5	90
2.2	3	TV-RCT 10/06	473	315	311	477	477	144	131	176	187	37.5	32.5	33.5	20.0	17.5	90
3	4	TV-RCT 10/07	506	-	324	510	510	-	144	197	190	38.5	33.5	34.5	-	24.5	100
3	4	TV-RCT 10/08	536	-	324	540	540	-	144	197	190	39.5	34.5	35.5	-	24.5	100
3	4	TV-RCT 10/09	566	-	324	570	570	-	144	197	190	40.5	35.5	36.5	-	24.5	100
4	5.5	TV-RCT 10/10	596	-	350	600	600	-	135	187	190	41.5	36.5	37.5	-	27.5	100
4	5.5	TV-RCT 10/12	656	-	350	660	660	-	135	187	190	43.5	38.5	39.5	-	27.5	100
5.5	7.5	TV-RCT 10/14	742	-	385	746	746	-	205	257	216	49.5	44.5	45.5	-	49.0	132S
5.5	7.5	TV-RCT 10/16	802	-	385	806	806	-	205	257	216	51.5	46.5	47.5	-	49.0	132S
7.5	10	TV-RCT 10/18	862	-	424	866	866	-	205	257	216	53.5	48.5	49.5	-	50.5	132L
7.5	10	TV-RCT 10/20	922	-	424	926	926	-	205	257	216	55.5	50.5	51.5	-	50.5	132L
7.5	10	TV-RCT 10/22	982	-	424	986	986	-	205	257	216	57.5	52.5	53.5	-	50.5	132L

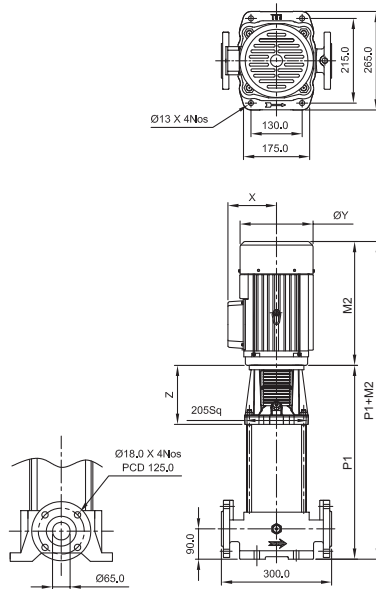
Note : Face mounted motor (B14) - 0.37 to 7.5 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

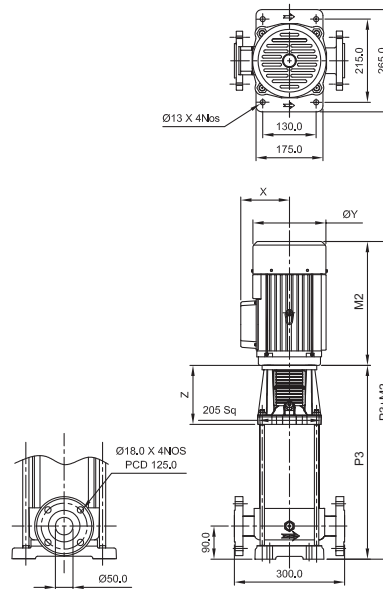
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS

TVC (ROUND FLANGE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC - 2½" x 2½"**
TV-RS - 2" x 2"

NOMINAL FLOW : **15m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (APPROX)								APPROX NETT WEIGHT WITHOUT PACKING IN kg				MOTOR FRAME SIZE
kW	HP		P1	P3	M2		X		ØY	Z	PUMP		MOTOR		
			TVC (R)	TVS & N (R)	1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS & N (R)	1Ph	3Ph	
1.1	1.5	TV-RCT 15/01	348	343	284	265	141	120	160	173	38	33	13.5	13	80
2.2	3	TV-RCT 15/02	407	402	315	311	144	131	170	187	39	34	20	17.5	90
3	4	TV-RCT 15/03	455	450	-	324	-	144	197	190	40	35	-	24.5	100
4	5.5	TV-RCT 15/04	500	495	-	350	-	162	187	190	41	36	-	27.5	100
4	5.5	TV-RCT 15/05	545	540	-	350	-	162	187	190	42	37	-	27.5	100
5.5	7.5	TV-RCT 15/06	616	611	-	385	-	205	257	216	46	41	-	49	132S
5.5	7.5	TV-RCT 15/07	661	656	-	385	-	205	257	216	47	42	-	49	132S
7.5	10	TV-RCT 15/08	706	701	-	424	-	205	257	216	48	43	-	50.5	132L
7.5	10	TV-RCT 15/09	751	746	-	424	-	205	257	216	49	44	-	50.5	132L
11	15	TV-RCT 15/10	885	880	-	500.5	-	261	314	305	68	63	-	107	160M
11	15	TV-RCT 15/12	975	970	-	500.5	-	261	314	305	70	65	-	107	160M
11	15	TV-RCT 15/14	1065	1060	-	500.5	-	261	314	305	72	67	-	107	160M
15	20	TV-RCT 15/17	1200	1195	-	500.5	-	261	314	305	75	70	-	117	160M

(R) - Round Flange

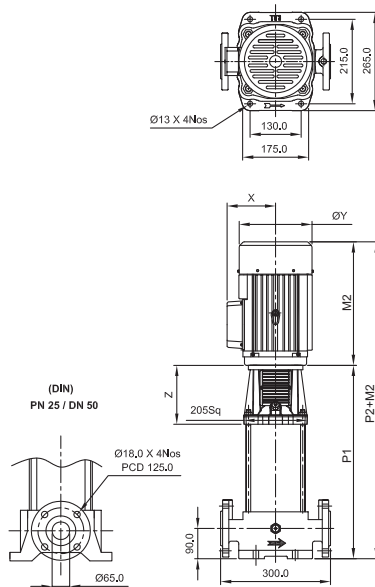
Note : Face mounted motor (B14) - 0.37 to 7.5 kW

Flange mounted motor (B5) - Above 9.3 kW

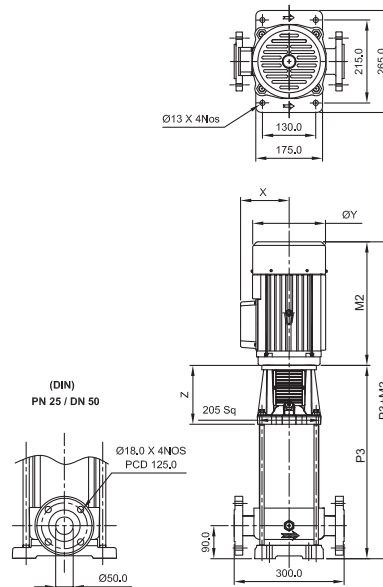
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DIMENSION DRAWINGS

TVC (ROUND FLANGE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC - 2½" x 2½"**
TV-RS - 2" x 2"

NOMINAL FLOW : **20m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (APPROX)								APPROX NETT WEIGHT WITHOUT PACKING IN kg				MOTOR FRAME SIZE
kW	HP		P1	P3	M2		X		ØY	Z	PUMP		MOTOR		
			TVC (R)	TVS & N (R)	1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS & N (R)	1Ph	3Ph	
1.1	1.5	TV-RCT 20/01	348	343	284	265	141	120	160	173	38	33	13.5	13	80
2.2	3	TV-RCT 20/02	407	402	315	311	144	131	176	187	39	34	20	17.5	90
4	5.5	TV-RCT 20/03	455	447	-	350	-	135	187	190	40	35	-	27.5	100
5.5	7.5	TV-RCT 20/04	529	521	-	385	-	205	257	216	45	40	-	49	132S
5.5	7.5	TV-RCT 20/05	574	566	-	385	-	205	257	216	46	41	-	49	132S
7.5	10	TV-RCT 20/06	619	611	-	424	-	205	257	216	47	42	-	50.5	132L
7.5	10	TV-RCT 20/07	664	656	-	424	-	205	257	216	48	43	-	50.5	132L
11	15	TV-RCT 20/08	798	790	-	500.5	-	261	314	305	67	62	-	107	160M
11	15	TV-RCT 20/10	932	924	-	500.5	-	261	314	305	69	64	-	107	160M
15	20	TV-RCT 20/12	1066	1058	-	500.5	-	261	314	305	71	66	-	117	160M
15	20	TV-RCT 20/14	1200	1192	-	500.5	-	261	314	305	73	68	-	117	160M
18.5	25	TV-RCT 20/17	1334	1326	-	500.5	-	261	314	305	76	71	-	134	160L

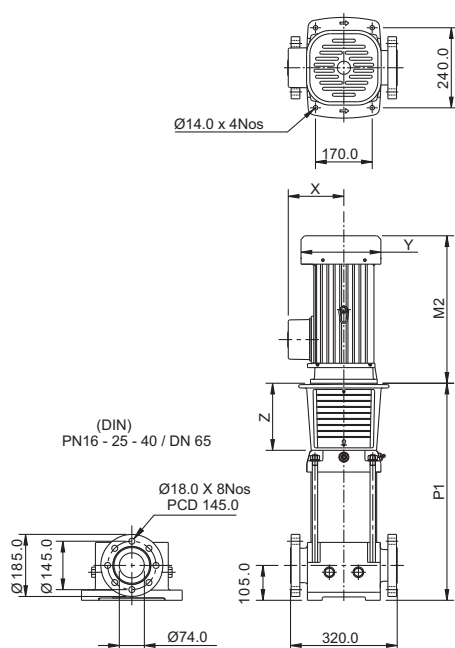
(R) - Round Flange

Note : Face mounted motor (B14) - 0.37 to 7.5 kW
 Flange mounted motor (B5) - Above 9.3 kW

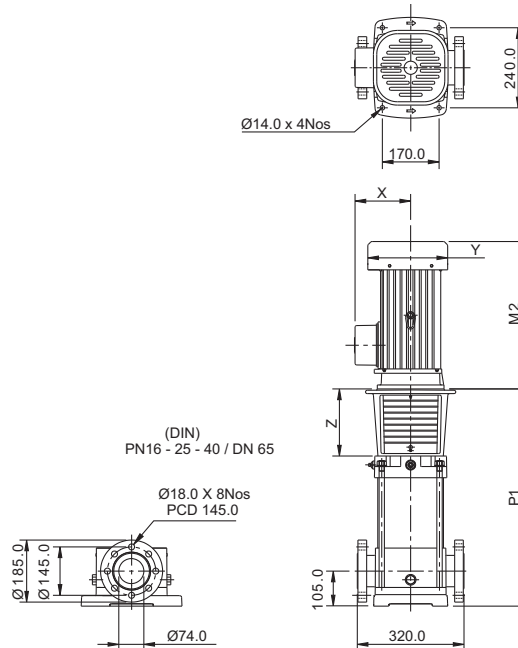
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DIMENSION DRAWINGS

TVC (ROUND FLANGE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **32m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (APPROX)							APPROX NETT WEIGHT WITHOUT PACKING IN kg				MOTOR FRAME SIZE
kW	HP		P1	M2		X		ØY	Z	PUMP		MOTOR		
				1 Ph	3Ph	1Ph	3Ph			TVC (R)	TVS & N (P)	1Ph	3Ph	
1.5	2	TV-RCT 32/01A	510	294	295	128	128	187	201	59	64	16.5	15	90
2.2	3	TV-RCT 32/01	510	320	305	136	136	187	201	59	64	20	17.5	90
3	4	TV-RCT 32/02AA	580	-	320	-	136	187	201	62	67	-	24.5	100
4	5.5	TV-RCT 32/02A	580	-	354	-	136	187	201	62	67	-	27.5	100
4	5.5	TV-RCT 32/02	580	-	354	-	136	187	201	62	67	-	27.5	100
5.5	7.5	TV-RCT 32/03AA	650	-	385	-	204	257	201	64	69	-	49	132S
5.5	7.5	TV-RCT 32/03	650	-	385	-	204	257	201	64	69	-	48	132S
7.5	10	TV-RCT 32/04AA	720	-	424	-	204	257	201	67	72	-	50.5	132L
7.5	10	TV-RCT 32/04	720	-	424	-	204	257	201	67	72	-	50.5	132L
11	15	TV-RCT 32/05AA	895	-	495	-	223	312	305	83	88	-	107	160M
11	15	TV-RCT 32/05	895	-	495	-	223	312	305	83	88	-	107	160M
11	15	TV-RCT 32/06AA	965	-	495	-	223	312	305	86	91	-	107	160M
11	15	TV-RCT 32/06	965	-	495	-	223	312	305	86	91	-	107	160M
15	20	TV-RCT 32/07AA	1035	-	495	-	223	312	305	89	94	-	117	160M
15	20	TV-RCT 32/07	1035	-	495	-	223	312	305	89	94	-	117	160M
15	20	TV-RCT 32/08AA	1105	-	495	-	223	312	305	92	97	-	117	160M
15	20	TV-RCT 32/08	1105	-	495	-	223	312	305	92	97	-	117	160M
18.5	25	TV-RCT 32/09AA	1175	-	495	-	223	312	305	95	100	-	134	160L
18.5	25	TV-RCT 32/09	1175	-	495	-	223	312	305	95	100	-	134	160L
18.5	25	TV-RCT 32/10AA	1245	-	495	-	223	312	305	98	103	-	134	160L
18.5	25	TV-RCT 32/10	1245	-	495	-	223	312	305	98	103	-	134	160L
22	30	TV-RCT 32/11AA	1315	-	630	-	271	SQ 340	305	101	106	-	180	180M
22	30	TV-RCT 32/11	1315	-	630	-	271	Sq340	305	101	106	-	180	180M
22	30	TV-RCT 32/12AA	1385	-	630	-	271	Sq340	305	104	109	-	180	180M
22	30	TV-RCT 32/12	1385	-	630	-	271	Sq340	305	104	109	-	180	180M
30	40	TV-RCT 32/13AA	1455	-	630	-	271	Sq340	305	108	113	-	242	200L
30	40	TV-RCT 32/13	1455	-	630	-	271	Sq340	305	108	113	-	242	200L
30	40	TV-RCT 32/14AA	1575	-	630	-	271	Sq340	305	111	116	-	242	200L
30	40	TV-RCT 32/14	1575	-	630	-	271	Sq340	305	111	116	-	242	200L

(R) - Round Flange

Note : Face mounted motor (B14) - 0.37 to 7.5 kW

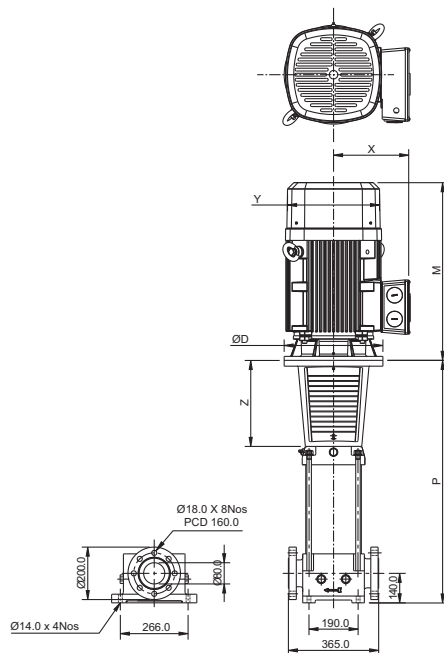
Flange mounted motor (B5) - Above 9.3 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

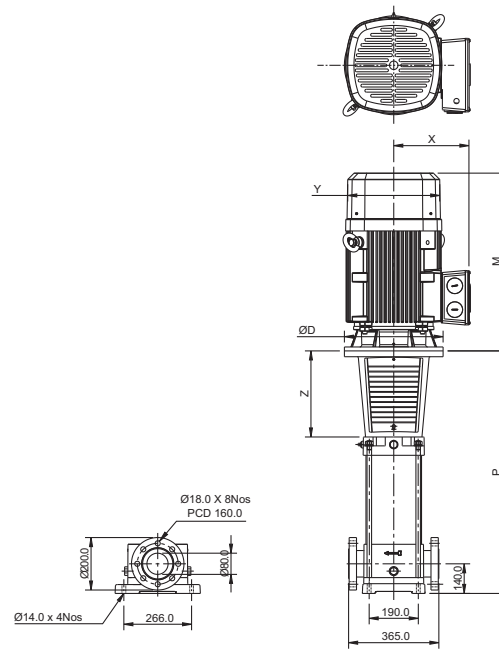
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DIMENSION DRAWINGS

TVC (ROUND FLANGE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 3" x 3"**

NOMINAL FLOW : **44m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)								APPROX.WEIGHT IN Kg				MOTOR FRAME SIZE
kW	HP		P	M		X		Y (Ø)	Z	ØD	PUMP		MOTOR		
				1Ph	3Ph	1Ph	3Ph				TVC (R)	TVS&N (R)	1Ph	3Ph	
3	4	TV-RCT 44/01A	564	340	320	-	128	185	201	270	65.00	62.00	23.00	21.50	100
4	5.5	TV-RCT 44/01	564	-	354	-	136	187	201	270	65.00	62.00	-	26.00	100
5.5	7.5	TV-RCT 44/02AA	644	-	385	-	204	257	201	270	69.00	66.00	-	41.30	132S
7.5	10	TV-RCT 44/02	644	-	424	-	204	257	201	270	69.00	66.00	-	47.60	132L
11	15	TV-RCT 44/03AA	828	-	495	-	223	312	305	350	86.00	83.00	-	110.00	160M
11	15	TV-RCT 44/03	828	-	495	-	223	312	305	350	86.00	83.00	-	110.00	160M
15	20	TV-RCT 44/04AA	908	-	495	-	223	312	305	350	90.00	87.00	-	120.20	160M
15	20	TV-RCT 44/04	908	-	495	-	223	312	305	350	90.00	87.00	-	120.20	160M
18.5	25	TV-RCT 44/05AA	988	-	495	-	223	312	305	350	94.00	91.00	-	131.50	160L
18.5	25	TV-RCT 44/05	988	-	495	-	223	312	305	350	94.00	91.00	-	131.50	160L
22	30	TV-RCT 44/06AA	1068	-	630	-	271	SQ340	305	350	99.00	96.00	-	172.00	180M
22	30	TV-RCT 44/06	1068	-	630	-	271	SQ340	305	350	99.00	96.00	-	172.00	180M
30	40	TV-RCT 44/07AA	1148	-	630	-	271	SQ340	305	400	107.00	104.00	-	188.00	200L
30	40	TV-RCT 44/07	1148	-	630	-	271	SQ340	305	400	107.00	104.00	-	188.00	200L
30	40	TV-RCT 44/08AA	1228	-	630	-	271	SQ340	305	400	111.00	108.00	-	188.00	200L
30	40	TV-RCT 44/08	1228	-	630	-	271	SQ340	305	400	111.00	108.00	-	188.00	200L
30	40	TV-RCT 44/09AA	1308	-	630	-	271	SQ340	305	400	115.00	112.00	-	188.00	200L
37	50	TV-RCT 44/09	1308	-	650	-	276	395	305	400	117.00	114.00	-	246.00	200L
37	50	TV-RCT 44/10AA	1388	-	650	-	276	395	305	400	121.00	118.00	-	246.00	200L
37	50	TV-RCT 44/10	1388	-	650	-	276	395	305	400	121.00	118.00	-	246.00	200L
45	60	TV-RCT 44/11AA	1468	-	695	-	297	435	305	450	125.00	122.00	-	365.00	225M
45	60	TV-RCT 44/11	1468	-	695	-	297	435	305	450	125.00	122.00	-	365.00	225M
45	60	TV-RCT 44/12AA	1548	-	695	-	297	435	305	450	129.00	126.00	-	365.00	225M
45	60	TV-RCT 44/12	1548	-	695	-	297	435	305	450	129.00	126.00	-	365.00	225M
45	60	TV-RCT 44/13AA	1628	-	695	-	297	435	305	450	133.00	130.00	-	365.00	225M

(R) - Round Flange

Note : Face mounted motor (B14) - 0.37 to 7.5 kW

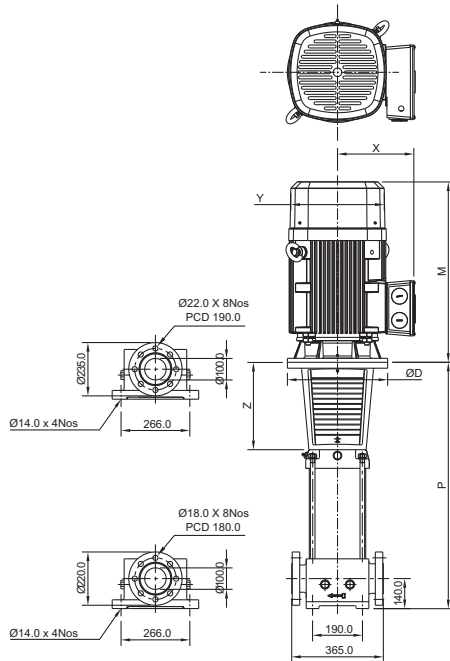
Flange mounted motor (B5) - Above 9.3 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

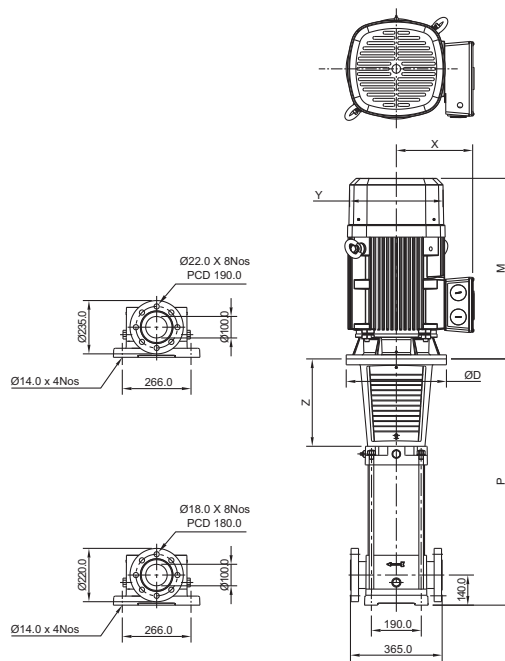
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS

TVC (ROUND FLANGE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 4" x 4"**

NOMINAL FLOW : **66m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)							APPROX.WEIGHT IN Kg				MOTOR FRAME SIZE
kW	HP		P	M		X		Y (Ø)	Z	PUMP		MOTOR		
				1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS&N (R)	1Ph	3Ph	
4	5.5	TV-RCT 66/01A	564	-	354		136	187	201	72.00	69.00		26.00	100
5.5	7.5	TV-RCT 66/01	564	-	385	-	204	257	201	72.00	69.00	-	41.30	132S
7.5	10	TV-RCT 66/02AA	644	-	424	-	204	257	201	76.00	73.00	-	47.60	132L
11	15	TV-RCT 66/02A	644	-	495	-	223	312	305	89.00	86.00	-	110.00	160M
11	15	TV-RCT 66/02	644	-	495	-	223	312	305	89.00	86.00	-	110.00	160M
15	20	TV-RCT 66/03AA	828	-	495	-	223	312	305	93.00	90.00	-	120.20	160M
15	20	TV-RCT 66/03A	828	-	495	-	223	312	305	93.00	90.00	-	120.20	160M
18.5	25	TV-RCT 66/03	828	-	495	-	223	312	305	93.00	90.00	-	131.50	160L
18.5	25	TV-RCT 66/04AA	908	-	495	-	223	312	305	97.00	93.00	-	131.50	160L
22	30	TV-RCT 66/04A	908	-	630	-	271	SQ340	305	98.00	95.00	-	172.00	180M
22	30	TV-RCT 66/04	908	-	630	-	271	SQ340	305	98.00	95.00	-	172.00	180M
30	40	TV-RCT 66/05AA	988	-	630	-	271	SQ340	305	106.00	103.00	-	188.00	200L
30	40	TV-RCT 66/05A	988	-	630	-	271	SQ340	305	106.00	103.00	-	188.00	200L
30	40	TV-RCT 66/05	988	-	630	-	271	SQ340	305	106.00	103.00	-	188.00	200L
30	40	TV-RCT 66/06AA	1068	-	630	-	271	SQ340	305	110.00	107.00	-	188.00	200L
37	50	TV-RCT 66/06A	1068	-	650	-	276	395	305	112.00	109.00	-	246.00	200L
37	50	TV-RCT 66/06	1068	-	650	-	276	395	305	112.00	109.00	-	246.00	200L
37	50	TV-RCT 66/07AA	1148	-	650	-	276	395	305	116.00	113.00	-	246.00	200L
37	50	TV-RCT 66/07A	1148	-	650	-	276	395	305	116.00	113.00	-	246.00	200
45	60	TV-RCT 66/07	1148	-	695	-	297	435	305	116.00	113.00	-	365.00	225M
45	60	TV-RCT 66/08AA	1228	-	695	-	297	435	305	120.00	117.00	-	365.00	225M
45	60	TV-RCT 66/08A	1228	-	695	-	297	435	305	120.00	117.00	-	365.00	225M

(R) - Round Flange

Note : Face mounted motor (B14) - 0.37 to 7.5 kW

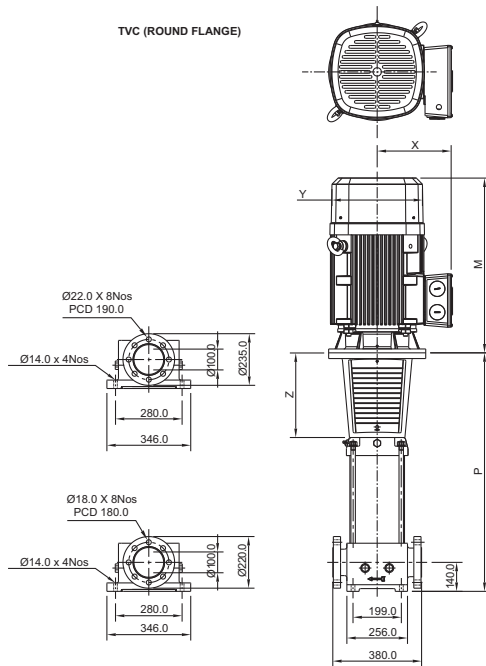
Flange mounted motor (B5) - Above 9.3 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.

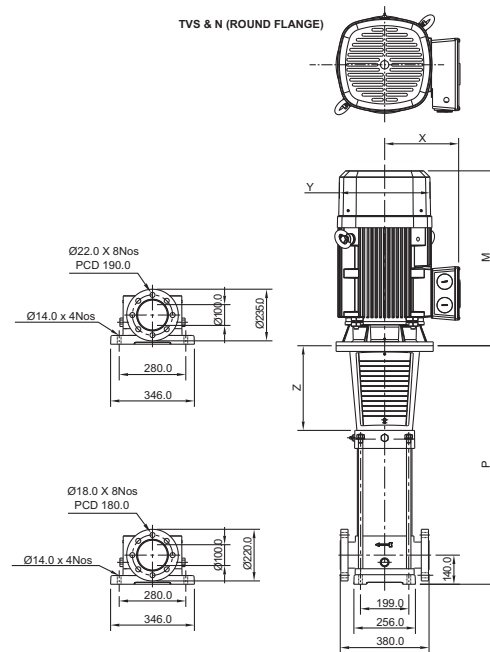
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DIMENSION DRAWINGS

TVC (ROUND FLANGE)



TVS & N (ROUND FLANGE)



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 4" x 4"**

NOMINAL FLOW : **90m³/h**

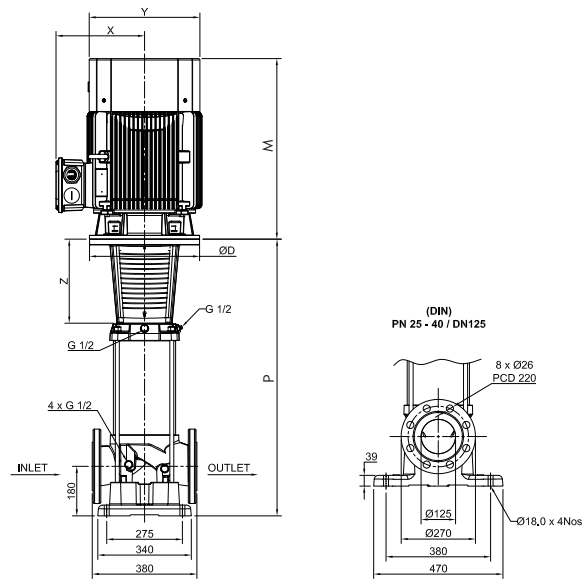
POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)							APPROX.WEIGHT IN Kg				MOTOR FRAME SIZE
kW	HP		P	M		X		Y (Ø)	Z	PUMP		MOTOR		
				1Ph	3Ph	1Ph	3Ph			TVC (R)	TVS&N (R)	1Ph	3Ph	
5.5	7.5	TV-RCT 90/01A	5.5	7.5	572	-	385	257	201	68.50	66.50	-	41.30	132S
7.5	10	TV-RCT 90/01	7.5	10	572	-	424	257	201	68.50	66.50	-	47.60	132L
11	15	TV-RCT 90/02A	11	15	768	-	495	312	305	84.90	82.90	-	110.00	160M
15	20	TV-RCT 90/02	15	20	768	-	495	312	305	84.90	82.90	-	120.20	160M
18.5	25	TV-RCT 90/03A	18.5	25	860	-	495	312	305	90.90	88.90	-	131.50	160L
22	30	TV-RCT 90/03	22	30	860	-	630	SQ340	305	90.90	88.90	-	172.00	180M
30	40	TV-RCT 90/04AA	30	40	952	-	630	SQ340	305	99.00	97.00	-	188.00	200L
30	40	TV-RCT 90/04	30	40	952	-	650	SQ340	305	99.00	97.00	-	188.00	200L
37	50	TV-RCT 90/05AA	37	50	1044	-	650	395	305	113.30	111.30	-	246.00	200L
37	50	TV-RCT 90/05	37	50	1044	-	650	395	305	113.30	111.30	-	246.00	200L
45	60	TV-RCT 90/06AA	45	60	1136	-	695	435	305	118.30	116.30	-	365.00	225M
45	60	TV-RCT 90/06	45	60	1136	-	695	435	305	118.30	116.30	-	365.00	225M

(R) - Round Flange

Note : Face mounted motor (B14) - 0.37 to 7.5 kW
Flange mounted motor (B5) - Above 9.3 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 5" x 5"**

NOMINAL FLOW : **120m³/h**

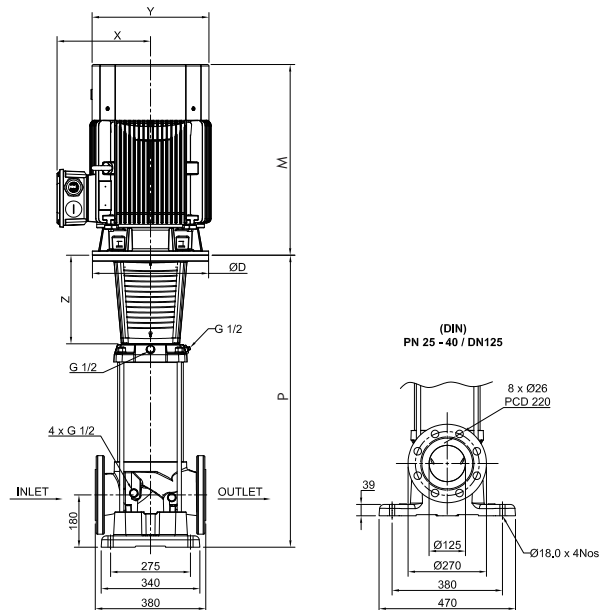
POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)						APPROX.WEIGHT IN Kg			MOTOR FRAME SIZE
kW	HP		P	M	X	Y	Z	ØD	PUMP		MOTOR	
									TVC (R)	TVS&N (R)		
11	15	TV-RCT 120/01	847	447	189	254	305	350	125		66	160M
18.5	25	TV-RCT 120/02A	1001	500	259	320	305	350	129		130	160L
22	30	TV-RCT 120/02	1001	584	275	360	305	400	129		182	180M
30	40	TV-RCT 120/03	1155	602	275	360	305	400	135		208	200L
37	50	TV-RCT 120/04A	1309	656	322	402	305	450	144		273	200L
45	60	TV-RCT 120/04	1309	641	332	452	305	450	144		331	225M
45	60	TV-RCT 120/05A	1463	641	332	452	305	450	171		331	225M
55	75	TV-RCT 120/05	1488	763	367	484	330	550	171		370	250M
55	75	TV-RCT 120/06A	1640	763	367	484	330	550	190		510	250M
75	100	TV-RCT 120/07	1794	835	402	547	330	550	215		510	280S

(R) - Round Flange

Note : Flange mounted motor (B5) - Above 9.3 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.
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DIMENSION DRAWINGS



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 5" x 5"**

NOMINAL FLOW : **150m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)						APPROX.WEIGHT IN Kg			MOTOR FRAME SIZE
kW	HP		P	M	X	Y	Z	ØD	PUMP		MOTOR	
									TVC (R)	TVS&N (R)		
11	15	TV-RCT 150/01A	847	447	189	254	305	350	125		66	160M
15	20	TV-RCT 150/01	847	500	259	320	305	350	125		126	160M
22	30	TV-RCT 150/02A	1003	584	275	360	305	400	129		182	180M
30	40	TV-RCT 150/02	1003	602	275	360	305	400	129		208	200L
30	40	TV-RCT 150/03AA	1159	602	275	360	305	400	135		208	200L
37	50	TV-RCT 150/03	1159	656	322	402	305	450	135		273	200L
45	60	TV-RCT 150/04A	1313	641	332	452	305	450	144		331	225M
55	75	TV-RCT 150/05AA	1494	763	367	484	330	550	171		370	250M
75	100	TV-RCT 150/05	1494	835	402	547	330	550	171		510	280S
75	100	TV-RCT 150/06	1650	835	402	547	330	550	191		510	280S

(R) - Round Flange

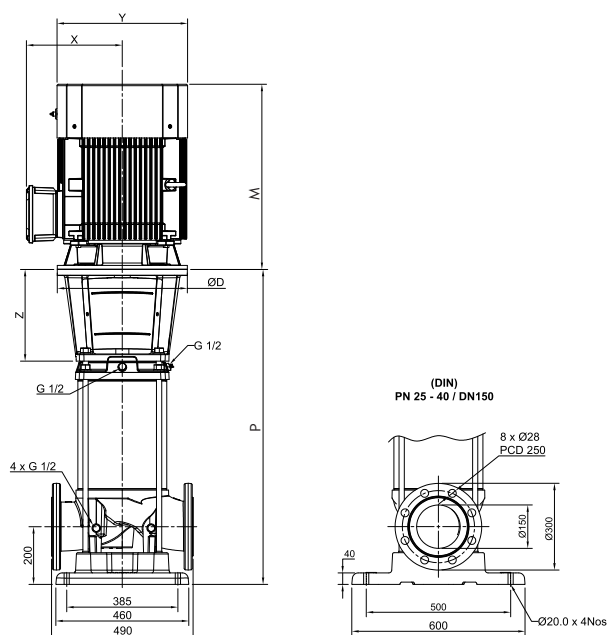
Note : Flange mounted motor (B5) - Above 9.3 kW

(R) - Round Flange

Note : Face mounted motor (B14) - 0.37 to 7.5 kW
Flange mounted motor (B5) - Above 9.3 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

DIMENSION DRAWINGS



DIMENSIONAL DATA

PIPE SIZE : **TV-RC/S/N - 6" x 6"**

NOMINAL FLOW : **200m³/h**

POWER		PUMP MODEL	DIMENSIONS IN mm (Approx.)						APPROX.WEIGHT IN Kg			MOTOR FRAME SIZE
kW	HP		P	M	X	Y	Z	ØD	PUMP		MOTOR	
									TVC (R)	TVS&N (R)		
15	20	TV-RCT 200/01A	912	500	259	320	320	350	173	126	160M	
18.5	25	TV-RCT 200/01	912	500	259	320	320	350	173	130	160L	
30	40	TV-RCT 200/02AA	1091	602	275	360	320	400	191	208	200L	
37	50	TV-RCT 200/02A	1091	656	322	402	320	450	191	273	200L	
45	60	TV-RCT 200/02	1091	641	332	452	320	450	191	331	225M	
55	75	TV-RCT 200/03AA	1270	763	367	484.	325	550	219	370	250M	
55	75	TV-RCT 200/03A	1270	763	367	484	325	550	219	370	250M	
75	100	TV-RCT 200/03	1270	835	402	547	325	550	219	510	280S	
75	100	TV-RCT 200/04AA	1448	835	402	547	325	550	244	510	280S	
75	100	TV-RCT 200/04A	1448	835	402	547	325	550	244	510	280S	
75	100	TV-RCT 200/04	1448	835	402	547	325	550	244	510	280S	
90	120	TV-RCT 200/05AA	1626	1040	426	543	325	550	275	592	280M	
90	120	TV-RCT 200/05A	1626	1040	426	543	325	550	275	592	280M	
90	120	TV-RCT 200/05	1626	1040	426	543	325	550	275	592	280M	
110	150	TV-RCT 200/06AA	1805	1155	460	621	325	550	311	750	315S	
110	150	TV-RCT 200/06A	1805	1155	460	621	325	550	311	750	315S	
110	150	TV-RCT 200/06	1805	1155	460	621	325	550	311	750	315S	

(R) - Round Flange

Note : Flange mounted motor (B5) - Above 9.3 kW

The third digit of this pump model denotes types of connection. Letter 'R' stands for Round Flange and it will be replaced with 'L' and 'P' for Oval Flange & PJE connection.
Note : The company reserves the right to modify the technical specification and illustrations without prior notice.

Conversion Table

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 ls 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	Millilitre 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 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

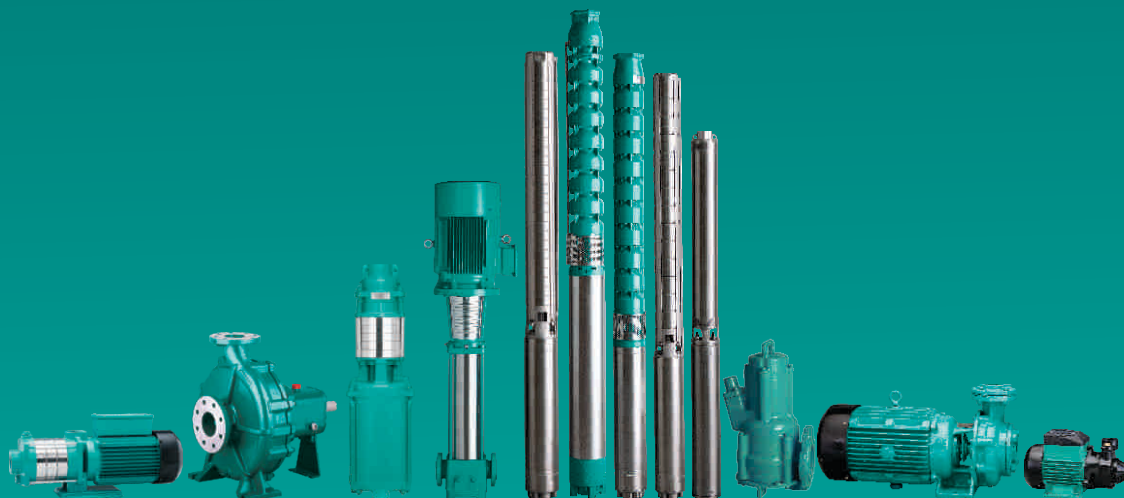
MASS

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

[illegible]



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, 4" Thermoplastic Submersible Pumps, 6" & 8" Cast Iron Submersible Pumps, Submersible Motors and Controls, Centrifugal Pumps, Inline Booster Pumps, Jet Self-priming Pumps and Peripheral Pumps.

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.

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