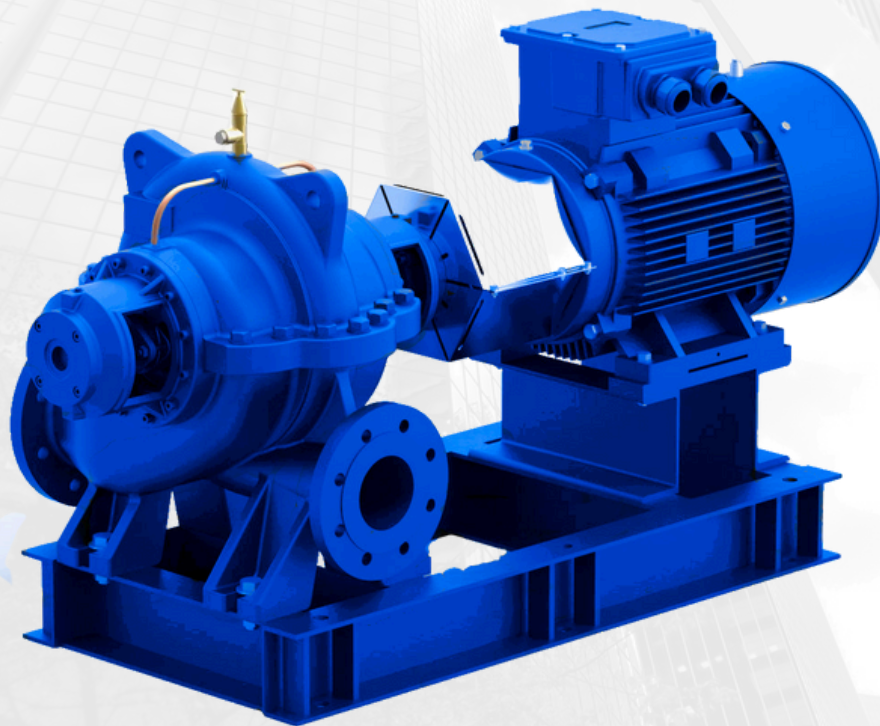




***Experiencia, Conocimiento y Soluciones  
en Sistemas HVAC***



**HORIZONTAL SPLIT CASE  
THSC SERIES**

# TORO

*WATER SOLUTIONS*



Sistemas Hidrónicos



ISO 9001



ISO 14001

**SHN**  
Sistemas Hidrónicos del Norte

## **TORO WATER SOLUTIONS A SHN BRAND**

Galeana No.2902 Col. Del Norte, Monterrey, N.L. México  
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# Identification

## THSC

### Type key

The example shows an THSC 100-400 pump with a 15.55 inch impeller diameter, ANSI flanges, with cast iron casing & impeller and with a carbon/ceramic/NBR/S.S 304 mechanical shaft seal.

### LHC

**Example** THSC 100 -400 /15.55 M1 2A A 1

Type range

Nominal diameter of discharge

port (DN)

Nominal impeller diameter (mm)

Actual impeller diameter (inch)

Code for sealing arrangement

G = Gland packing\*

M1 = Rubber bellows type mechanical seal

M2 = Cartridge type mechanical seal

Code for pipework connection

1 = ANSI-125 flange\*

2A = PN-16 flange

2B = PN-25 flange

3 = ANSI-250 flange\*

Code for materials

A = Cast iron pump housing with cast iron impeller\*

B = Cast iron pump housing with bronze impeller

C = Cast iron pump housing with CF-8 impeller

D = Cast iron pump housing with CF-8M impeller

Code for shaft seal material

1 = Carbon/Ceramic/NBR/S.S 304

2 = Sic/Sic/Viton/S.S 316

3 = Carbon/Sic/Viton/S.S 316

\* Standard construction.

# Product data

## Horizontal split case pumps

THSC

### Introduction

Horizontal split case pumps have horizontal pump shaft and the volute casing can be dismantled in the horizontal plane along the drive shaft.

The Lubi horizontal split case pump, type THSC is available in two main designs:

- Single-stage
- Two-stage

### Applications

- Water Supply.
- Pressure boosting for high rise buildings, hotels, industry etc.
- Industrial washing & cleaning systems.
- Fire Protection systems.
- Cooling & Air Conditioning systems.
- Boiler feed and condensate transfer system.
- Irrigation systems for fields including sprinkler & drip irrigation systems.



### Features & benefits

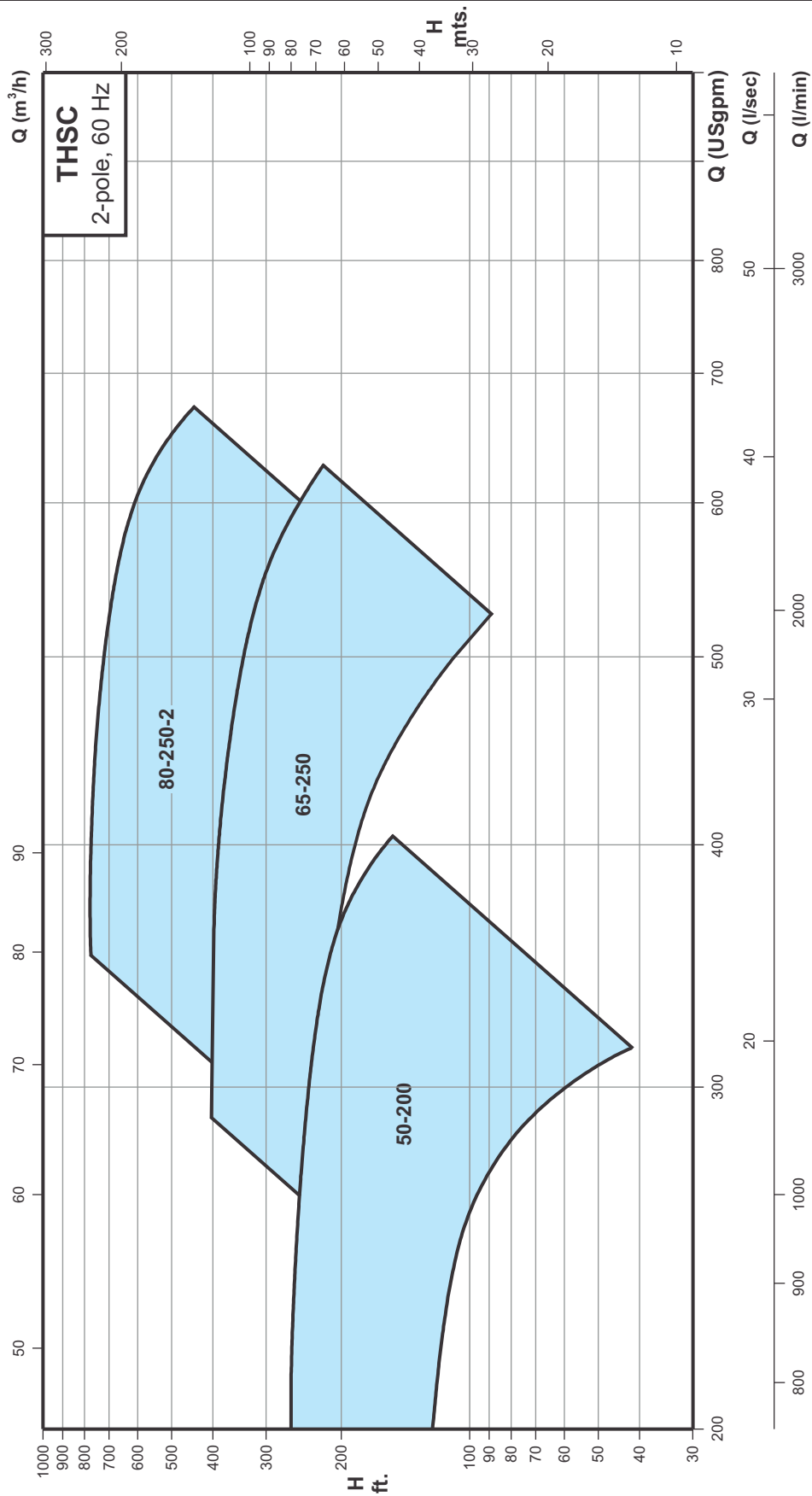
Following are the main features and benefits offered by the THSC pumps.

- The pumps are non self priming horizontal split case pumps with radial suction port and radial discharge port.
- Standard flanges for suction and discharge ports will be ANSI 125 and ANSI 250 as per ASME B16.1. PN 16 as per DIN standard EN 1092-2 and PN 25 as per DIN standard EN 1092-2 are available on request.
- These pumps are long coupled pumps with TEFC squirrel cage induction motors with main dimensions complying to NEMA standards MG 1-2006.
- These pumps are available with gland packing as well as mechanical shaft seal.
- These pumps have the discharge range from 200 to 7000 USgpm and head range from 20 to 580 feet. Motor ratings are from 7.5 to 250 HP.
- The pump impellers are dynamically balanced to grade 6.3 of ISO 1940.
- These pumps can be supplied as a complete unit with motor, coupling, coupling guard and fabricated steel base frame.
- These pumps are available with high efficiency motors complying to meet or exceed the efficiency requirements of the US Energy Policy Act of 1992 (EPAct) and Natural Resources Canada Standards (NRCan).
- The efficiency will meet or exceed full load efficiency of TEFC motors as per Table 12-11 of NEMA standards MG 1-2006
- They can also be supplied with NEMA premium efficiency TEFC motors as per Table 12-12 NEMA standards MG 1-2006 on request.
- The split case construction enables removal and dismantling of the internal pump parts e.g. bearings, wear rings, shaft seal and impeller without disturbing the motor & pipe work.
- We can also supply pumps with IEC standard motors.

# Performance range

Horizontal split case pumps

THSC 2-Pole

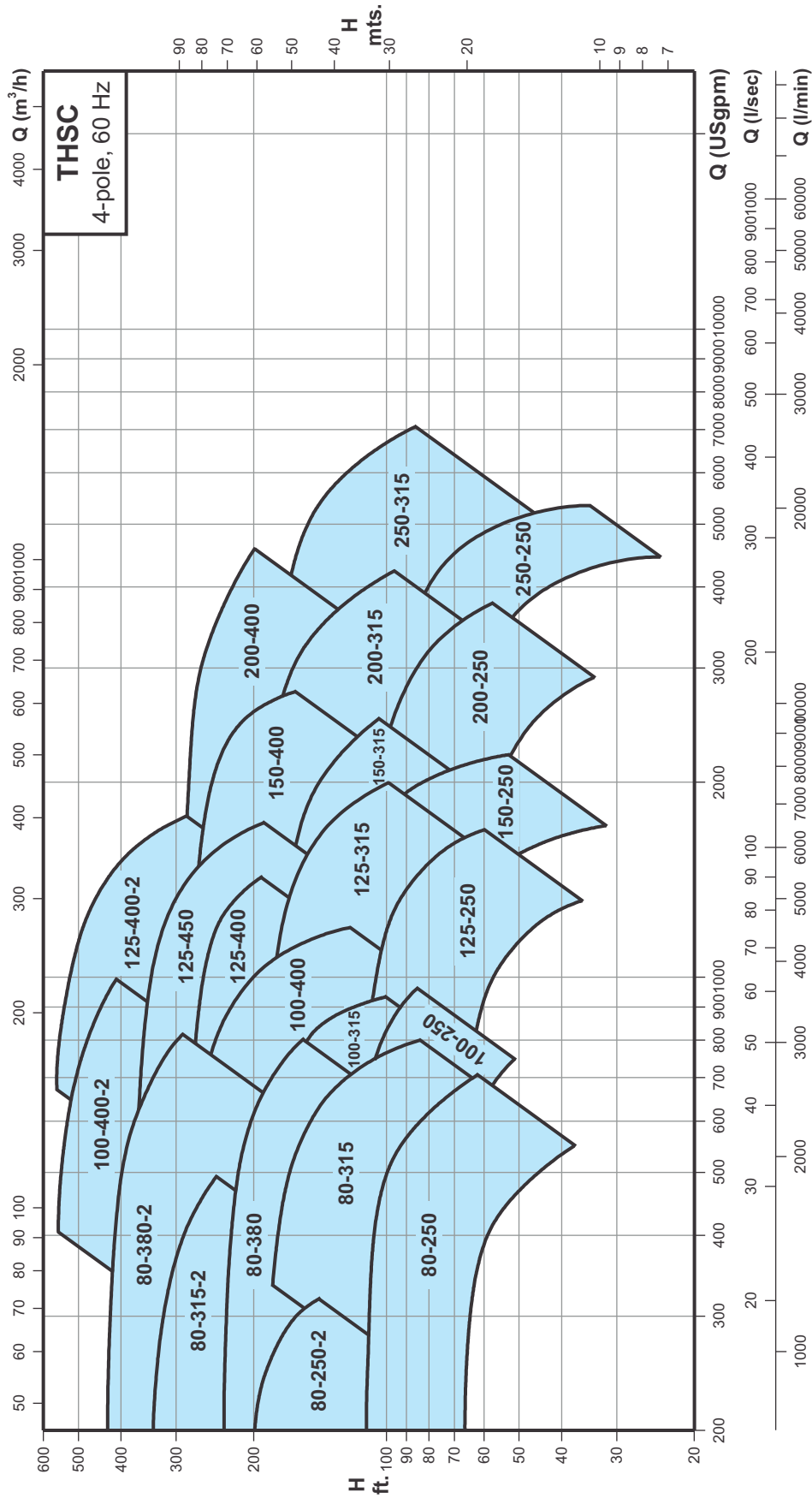


Note: 80-250-2 is two stage pump.

# Performance range

Horizontal split case pumps

THSC 4-Pole

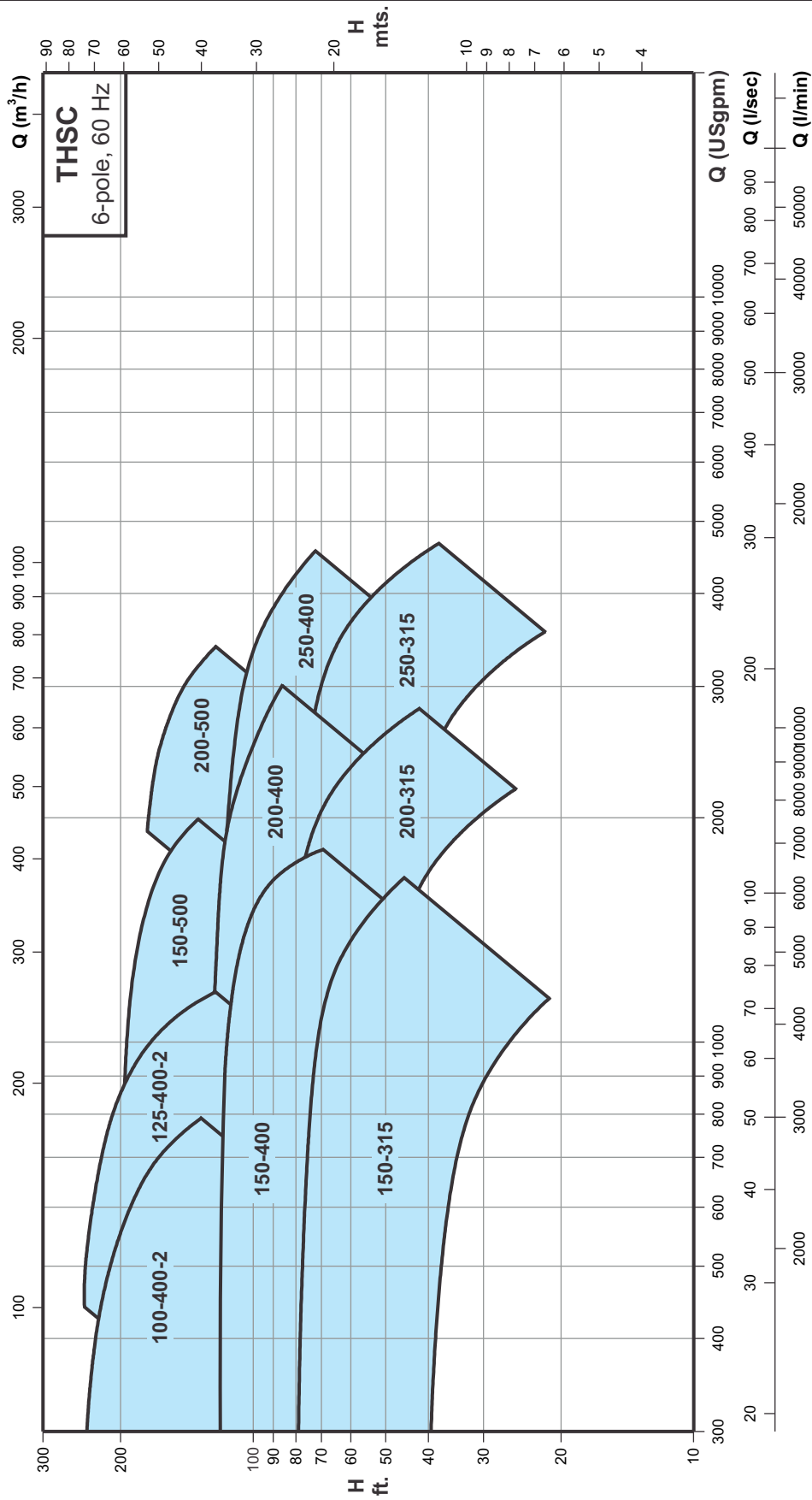


Note: 80-250-2, 80-315-2, 80-380-2, 100-400-2 and 125-400-2 are two stage pumps.

# Performance range

Horizontal split case pumps

THSC 6-Pole



Note: 100-400-2, 125-400-2 and 150-440-2 are two stage pumps.

# Construction

## Horizontal split case pumps

THSC

### Sectional drawing

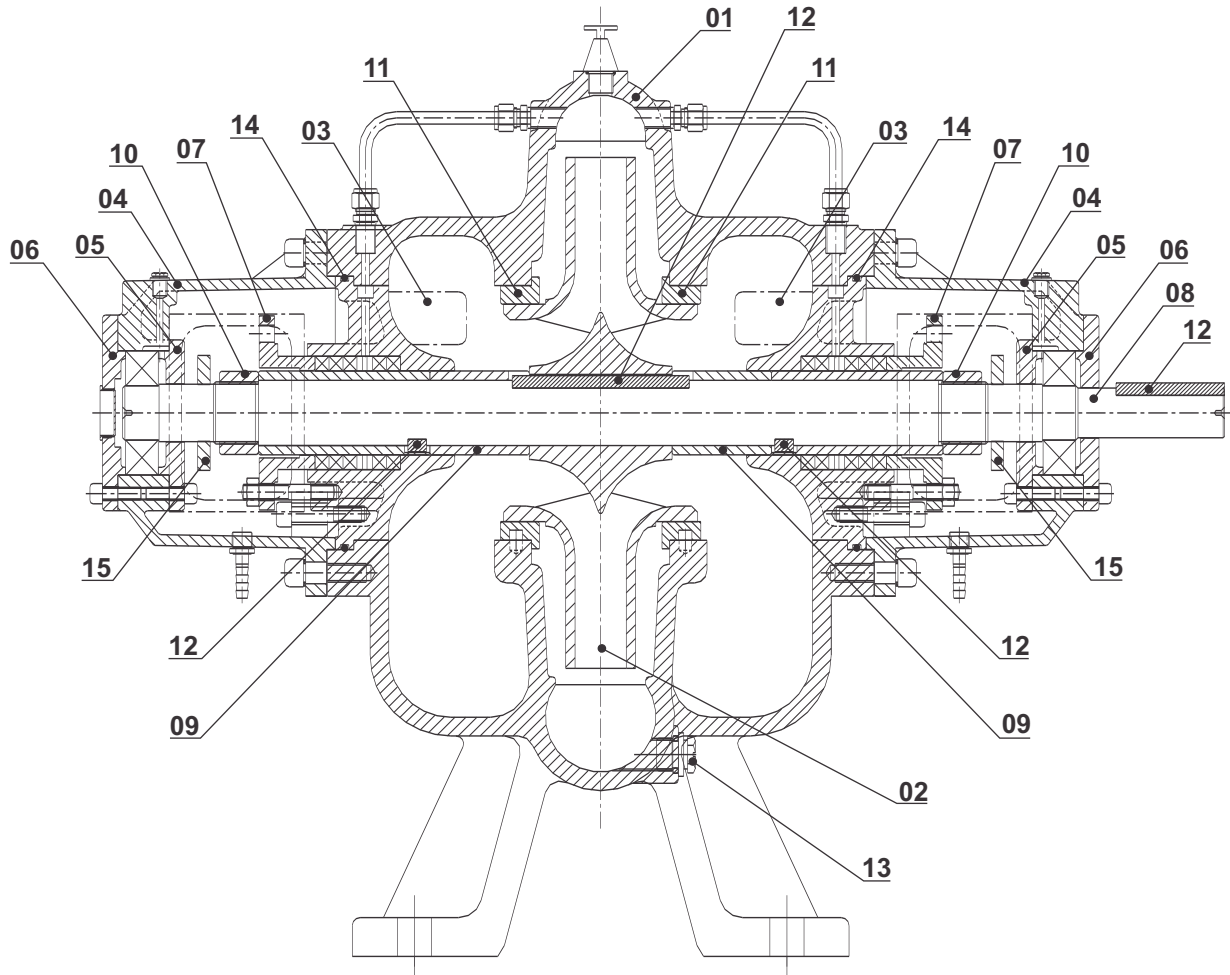


Fig. 1 Single stage THSC pump

### Materials

Pos.	Component	A-version	B-version	C-version	D-version
1	Volute casing	Cast iron	Cast iron	Cast iron	Cast iron
2	Impeller	Cast iron	Bronze	CF-8	CF-8M
3	Back cover	Cast iron	Cast iron	Cast iron	Cast iron
4	Bearing housing	Cast iron	Cast iron	Cast iron	Cast iron
5	Internal bearing cover	Cast iron	Cast iron	Cast iron	Cast iron
6	External bearing cover	Cast iron	Cast iron	Cast iron	Cast iron
7	Gland follower	Cast iron	Cast iron	Cast iron	Cast iron
8	Shaft	Carbon Steel	AISI 410	AISI 304	AISI 316
9	Shaft sleeve	AISI 410	AISI 410	AISI 304	AISI 316
10	Lock nut	AISI 410	AISI 410	AISI 304	AISI 316
11	Wear ring	Bronze	Bronze	CF-8	CF-8M
12	Key	AISI 410	AISI 410	AISI 304	AISI 316
13	Plugs	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
14	O-ring	NBR	NBR	NBR	NBR
15	Water thrower	NBR	NBR	NBR	NBR

# Construction

## Horizontal split case pumps

THSC

### Sectional drawing

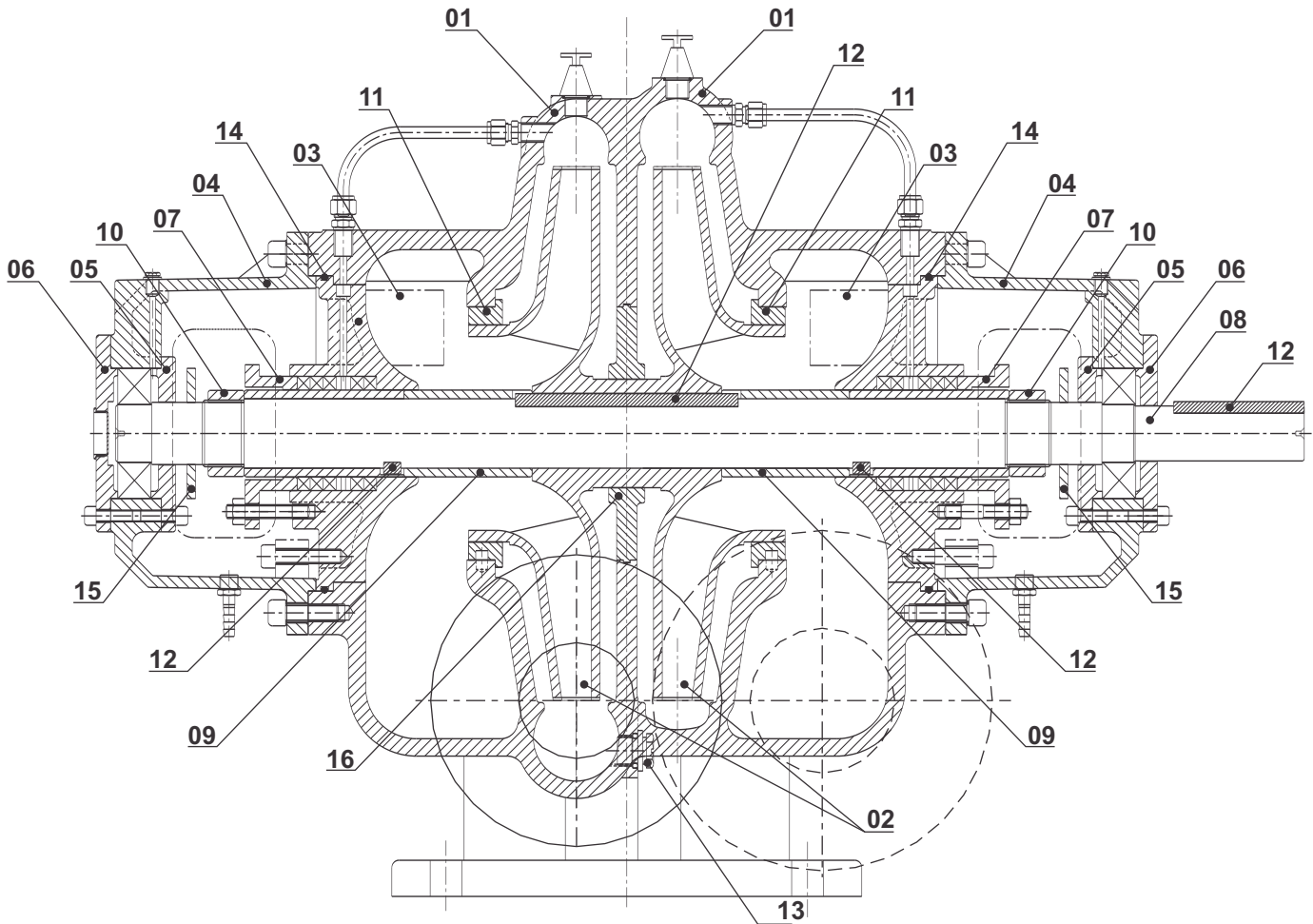


Fig. 2 Two stage THSC pump

### Materials

Pos.	Component	A-version	B-version	C-version	D-version
1	Volute casing	Cast iron	Cast iron	Cast iron	Cast iron
2	Impeller	Cast iron	Bronze	CF-8	CF-8M
3	Back cover	Cast iron	Cast iron	Cast iron	Cast iron
4	Bearing housing	Cast iron	Cast iron	Cast iron	Cast iron
5	Internal bearing cover	Cast iron	Cast iron	Cast iron	Cast iron
6	External bearing cover	Cast iron	Cast iron	Cast iron	Cast iron
7	Gland follower	Cast iron	Cast iron	Cast iron	Cast iron
8	Shaft	Carbon Steel	AISI 410	AISI 304	AISI 316
9	Shaft sleeve	AISI 410	AISI 410	AISI 304	AISI 316
10	Lock nut	AISI 410	AISI 410	AISI 304	AISI 316
11	Wear ring	Bronze	Bronze	CF-8	CF-8M
12	Key	AISI 410	AISI 410	AISI 304	AISI 316
13	Plugs	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
14	O-ring	NBR	NBR	NBR	NBR
15	Water thrower	NBR	NBR	NBR	NBR
16	Centre ring	Cast iron	Cast iron	Cast iron	Cast iron

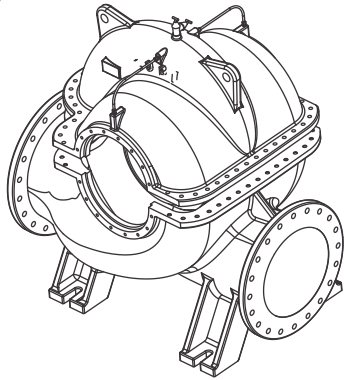
### Construction features

#### Volute casing

The volute casing of the pumps are designed to be robust in construction to take the undue stresses offered by the pipe work. They have a radial suction port and radial discharge port. Standard flanges are ANSI 125 and ANSI 250 as per ASME B16.1.

PN 16 as per DIN standard EN 1092-2 and PN 25 as per DIN standard EN 1092-2 are available on request.

The volute casing are provided with a priming & drain hole closed by plugs.

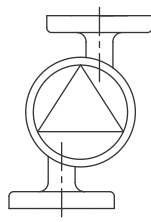


**Fig. 3** Upper and lower volute casing

The single stage pumps are of the inline (symmetric) design, whereas the two stage pumps have asymmetric design



**Fig. 4** SINGLE STAGE  
(Inline symmetric design)



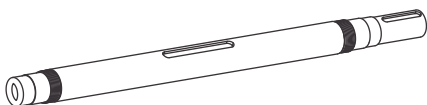
**Fig. 5** TWO STAGE  
(Asymmetric design)

#### Shaft

The shaft is available in carbon steel as well as stainless steel. A bronze or stainless steel shaft sleeve is provided in the stuffing box to protect the shaft from wear & corrosion. As shaft and bearings are strong and properly sized the pump can be driven by a belt drive or diesel engine without any problem.

A water thrower is provided on the shaft to prevent liquid from entering the bearing housing and damaging the bearing.

The shaft is supported by bearings at both drive end and non-drive end of the pump.



**Fig. 6** Pump shaft

#### Bearings

The pumps are fitted with two standard single-row deep groove ball bearings, the bearings are of the open type permitting the bearings to be relubricated. The bearings are lubricated by TORO prior to delivery.

#### Impeller

The impeller is a closed impeller with single or double curved blades and extra smooth surface finish and machined completely from outside to ensure high efficiency.

The impeller comes in two variants.

- Double-suction impeller with inflow of liquid from both sides. Double suction impellers are used in single-stage pumps only.
- Single-suction impeller with inflow of liquid from one side. Single suction impellers are used in two-stage pumps only.

Because of hydraulic balancing the axial thrust on bearings are compensated giving a longer bearing life.

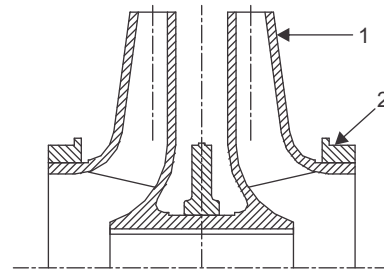
Two stage pumps have two laterally reversed single-suction impellers mounted back-to-back.

The direction of rotation of impeller is clock-wise when viewed from the motor non-driving end.

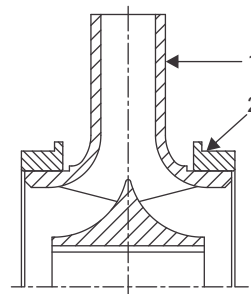
They are dynamically balanced to grade 6.3 of ISO 1940.

All impeller can be trimmed to adopt them for the duty point requested by the customer.

Suggested trimmed impeller diameter as shown on the performance curves are theoretical. Performance may vary from what is shown on the performance curve.



**Fig. 7** Single-suction impeller



**Fig. 8** Double-suction impeller

# Construction

## Horizontal split case pumps

THSC

### Wear rings

The pump have wear rings (pos.2) between impeller (pos.1) and volute casing.

The wear rings protect the volute casing against wear. Besides, the wear rings have a sealing function between impeller and volute casing.

When the wear rings worn out, the efficiency of the pump will be reduced, and wear rings should be replaced. The wear rings are made of same material as the impeller.

### Coupling

THSC pumps are fitted with a tyre type flexible cushion coupling.

These couplings are highly flexible, resilient and absorbs large misalignment.

Due to the coupling design, the rotating assembly of THSC pumps can be removed and serviced without dismantling the motor from the base frame.

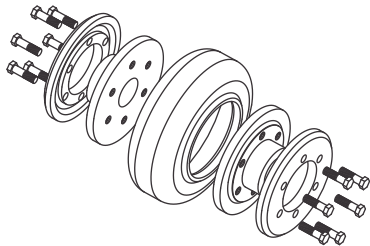


Fig. 9 Tyre type flexible cushion coupling

### Base frame

Pump and motor are mounted on a common steel base frame in the form of welded, steel c-channel profile.

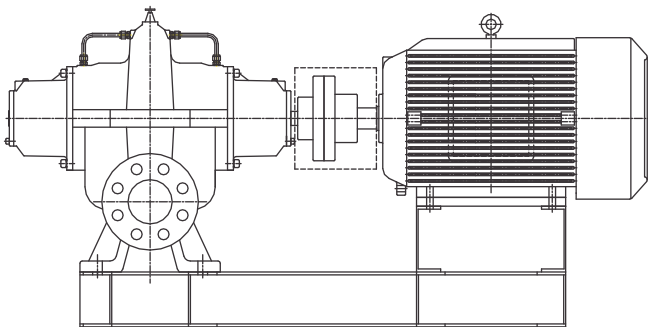


Fig. 10 THSC pump motor unit mounted on a base frame

### Mechanical shaft seal

The shaft seal is an unbalanced, mechanical shaft seal. Two types are available as standard,

- A rubber bellows type (M1) for single-stage and two-stage pumps.
- A cartridge type (M2) with O-ring for single-stage and two-stage pumps.

For other mechanical shaft seal variants, contact Lubi.

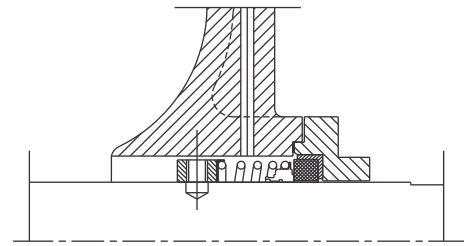


Fig. 11 Rubber bellows shaft seal type (M1)

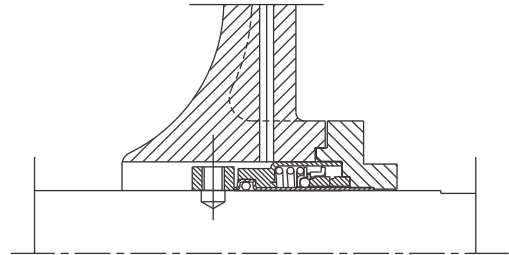


Fig. 12 Cartridge shaft seal type (M2)

### Stuffing box

Stuffing boxes are available with lantern rings and graphite gland packing rings.

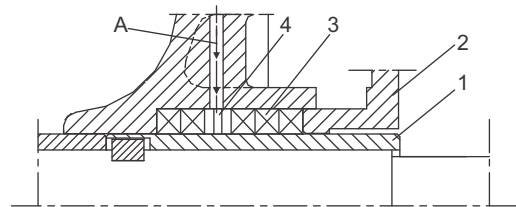


Fig. 13 Sectional view of an uncooled stuffing box

Pos.	Description	Pos.	Description
1	Shaft sleeve	A	Drilled hole for barrier fluid (pumped liquid)
2	Gland		
3	Graphite packing		
4	Lantern ring		

### Test pressure

All pumps are hydrostatic tested for leakage as per the following test pressure using water containing corrosion inhibitor at room temperature.

Pressure rating	Operating pressure	Test pressure
ANSI 125	125 psi	188 psi
ANSI 250	250 psi	375 psi
PN 16	16 bar	24 bar
PN 25	25 bar	37.5 bar

### Motors

The motors are squirrel cage induction motors, totally enclosed fan cooled with main dimension to NEMA standards MG 1-2006.

The standard motors supplied with the pumps are all as per high efficiency NEMA standards. Premium efficiency motors can be available on request.

All motors are available with cast iron construction.

# Operating conditions

## Horizontal split case pumps

**THSC**

### Sound/Noise levels

As shown in the table below the motor noise levels will not exceed the maximum sound pressure level [db(A)] as per following table.

Motor HP	Maximum sound pressure level [db(A)]		
	Three-phase motors		
	2-pole	4-pole	6-pole
7.50	69	58	-
10.0	72	58	57
15.0	72	69	59
20.0	75	69	59
25.0	75	68	62
30.0	75	68	62
40.0	81	71	65
50.0	81	71	65
60.0	85	75	65
75.0	85	75	65
100.0	84	75	70
125.0	84	79	70
150.0	84	79	73
200.0	87	82	73

### Ambient temperature and altitude

The ambient temperature for proper motor operation must not exceed.

- + 104°F for high efficiency motors
- + 140°F for premium efficiency motors.

In case of ambient temperature exceeding 104°F (or 140°F for premium eff.) or if motor is to be installed more than 3280 feet above sea level then a higher output motor should be selected due to low cooling effect. Please refer the chart as shown in fig. 9 for selection of the motors at higher temperature or altitude.

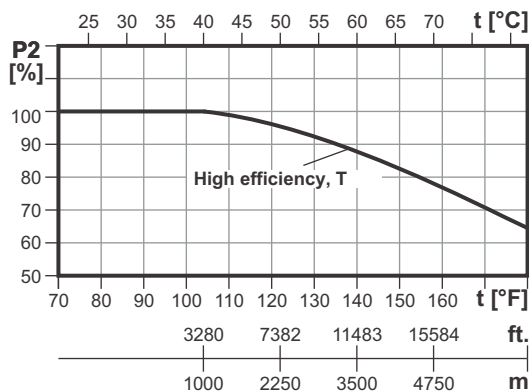


Fig. 9 Motor P2 depend on temperature/altitude

### Example

A 20 HP motors has to be increased in output to 25 HP if ambient temperature is 140°F.

A 20 HP motors has to be increased in output to 25 HP if it has to operate at 11483 feet above mean sea level.

### Pump location

The Pumps have been designed to operate in non aggressive and non explosive atmosphere.

The relative humidity should not exceed 95%.

### Pumped liquids

THSC pumps are designed for non explosive liquids which are clean, and thin without any solid particles.

For aggressive liquid please ensure that material of construction is suitable for liquid to be pumped.

A viscous liquid affects the pump performance in the following ways.

- The power consumption of the pump will increase with increase in viscosity. This will require a larger motor for the pump.
- Head, discharge & pump efficiency will reduce.

A liquid with high density will also affect the performance as follows.

- The power consumption will increase at a ratio corresponding to increase in density. For example a liquid with a specific gravity of 1.30 will require 30% larger motor to drive the pump.
- The head, discharge and pump efficiency will not change with change in density.

### Liquid temperature

The THSC pump range covers the temperature range from 32°F to +284°F.

The permissible liquid temperature depends on the type of mechanical shaft seal furnished on the pump.

Please refer the table showing relationship between mechanical shaft seal & temperature.

The maximum liquid temperature is stamped on the nameplate of the pump.

### Relationship between shaft seals and temperature

Seal type	Code	Temperature range
Carbon/Ceramic/NBR/S.S.304	1	32°F to +194°F
Sic/Sic/Viton/S.S.316	2	32°F to +194°F
Carbon/Sic/Viton/S.S.316	3	32°F to +284°F

### Inlet pressure

- The inlet pressure + shut off pressure (pressure of pump against closed valve) should not exceed the maximum operating pressure of the pump.
- The minimum inlet pressure must be according to the NPSH curve + 2 feet safety margin + correction of vapour pressure.

# Motor electrical data

## Horizontal split case pumps

THSC

### High efficiency, 2pole

Rated output		Full load speed [rpm]	Frame size	Full load current in [A] at		Locked rotor current		Full load torque Tn [lb.ft]	Locked rotor torque [TI/Tn]	Break down torque (Tb/Tn)	Efficiency			Power factor cost	Service factor SF	Approx. weight [lbs]
P2 [HP]	P2 [kW]			230 V	460 V	[KVA code]	[I/In]				% of full load					
				50	75	100	100									
7.50	5.50	3460	184JM	17.5	8.76	H	7.0	11.2	2.2	2.3	85.5	87.5	88.5	0.89	1.15	104
10.0	7.50	3500	215JM	23.4	11.7	H	6.9	14.8	2.2	2.8	88.5	89.5	89.5	0.90	1.25	159
15.0	11.0	3500	215JM	34.5	17.3	F	6.1	22.2	2.0	2.2	89.0	90.2	90.2	0.89	1.15	181
20.0	15.0	3520	256JM	46.5	23.3	G	6.2	29.4	2.0	2.5	89.5	90.2	90.2	0.90	1.25	276
25.0	18.5	3525	284JM	58.0	29.0	G	6.2	36.7	2.0	2.5	90.2	91.0	91.0	0.88	1.25	441
30.0	22.0	3520	286JM	67.5	33.8	G	6.4	44.2	1.9	2.3	90.2	91.0	91.0	0.90	1.25	474
40.0	30.0	3550	324JM	92.3	46.1	G	6.4	58.4	2.3	2.4	91.0	91.7	91.7	0.89	1.25	597
50.0	37.0	3555	326JM	113	56.5	G	6.5	72.9	2.3	2.3	91.0	92.4	92.4	0.89	1.25	642
60.0	45.0	3555	364JM	138	69.0	G	6.3	87.4	2.0	2.5	91.0	92.4	93.0	0.88	1.25	701
75.0	55.0	3550	365JM	165	82.5	G	6.5	109	2.0	2.6	91.7	93.0	93.0	0.90	1.25	816
100.0	75.0	3550	405TSC	226	113	G	6.4	149	2.0	2.4	91.7	93.6	93.6	0.89	1.25	1190
125.0	90.0	3560	444TSC	263	131	F	6.6	178	2.0	2.5	92.4	94.1	94.5	0.91	1.15	1398
150.0	110.0	3575	445TSC	320	160	G	6.7	217	2.0	2.5	93.0	94.1	94.5	0.91	1.15	1565
200.0	150.0	3575	505TSC	445	223	G	6.5	296	1.7	2.5	94.1	94.5	95.0	0.89	1.15	2090

### High efficiency, 4-pole

Rated output		Full load speed [rpm]	Frame size	Full load current in [A] at		Locked rotor current		Full load torque Tn [lb.ft]	Locked rotor torque [TI/Tn]	Break down torque (Tb/Tn)	Efficiency			Power factor cost	Service factor SF	Approx. weight [lbs]
P2 [HP]	P2 [kW]			230 V	460 V	[KVA code]	[I/In]				% of full load					
				50	75	100	100									
7.50	5.50	1765	213T	19.1	9.53	H	6.4	22.0	2.0	2.6	87.5	89.5	89.5	0.81	1.25	152
10.0	7.50	1760	215T	25.5	12.8	H	6.5	29.4	2.0	2.6	88.5	90.2	90.2	0.82	1.25	177
15.0	11.0	1760	254T	35.8	17.9	G	6.4	44.2	2.5	2.5	89.5	91.0	91.0	0.85	1.25	248
20.0	15.0	1755	256T	48.8	24.4	G	5.9	59.0	2.4	2.4	89.5	91.0	91.0	0.85	1.25	294
25.0	18.5	1760	284T	59.3	29.6	G	6.1	73.6	2.2	2.5	91.7	92.4	92.4	0.85	1.25	478
30.0	22.0	1755	286T	68.8	34.4	G	6.3	88.6	2.4	2.6	92.4	93.0	92.4	0.87	1.25	514
40.0	30.0	1770	324T	95.3	47.6	G	6.0	117	2.3	2.3	91.7	93.0	93.0	0.85	1.25	631
50.0	37.0	1770	326T	116	57.8	G	6.1	146	2.3	2.3	92.4	93.6	93.6	0.86	1.25	679
60.0	45.0	1775	364T	134	67.0	G	6.4	175	2.0	2.3	93.0	93.6	93.6	0.90	1.25	778
75.0	55.0	1775	365T	165	82.4	G	6.5	219	2.2	2.4	93.6	94.1	94.1	0.89	1.25	882
100.0	75.0	1775	405T	229	115	G	6.3	298	2.1	2.2	93.6	94.5	94.5	0.87	1.25	1270
125.0	90.0	1780	444T	275	138	G	6.4	356	2.0	2.2	93.6	94.5	94.5	0.87	1.15	1618
150.0	110.0	1780	445T	335	168	G	6.4	436	2.2	2.3	94.1	95.0	95.0	0.87	1.15	2002
200.0	150.0	1780	505T	460	230	G	6.4	594	2.3	2.4	94.1	95.0	95.0	0.86	1.15	2156
250.0	185.0	1780	505T	565	283	G	6.5	732	2.1	2.3	94.5	95.0	95.4	0.86	1.15	2315

### High efficiency, 6-pole

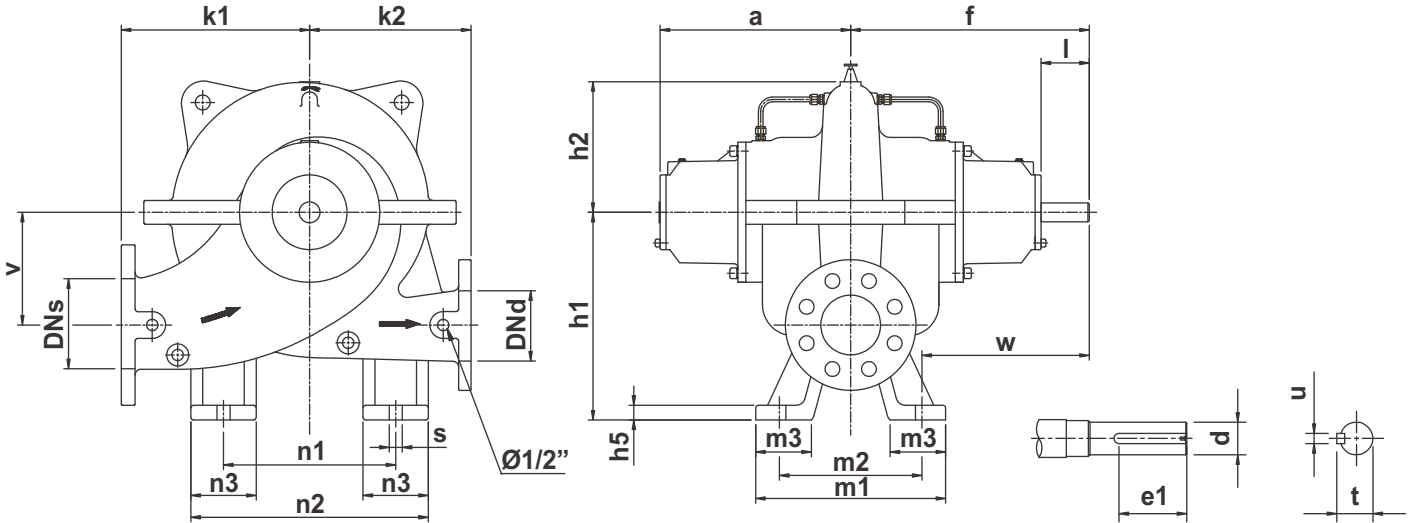
Rated output		Full load speed [rpm]	Frame size	Full load current in [A] at		Locked rotor current		Full load torque Tn [lb.ft]	Locked rotor torque [TI/Tn]	Break down torque [Tb/Tn]	Efficiency			Power factor cost	Service factor SF	Approx. weight [lbs]
P2 [HP]	P2 [kW]			230 V	460 V	[KVA code]	[I/In]				% of full load					
				50	75	100	100									
10.0	7.50	1175	256T	26.8	13.4	J	6.9	45.0	2.3	2.9	88.5	89.5	89.5	0.79	1.25	249
15.0	11.0	1180	284T	34.5	17.3	G	6.7	65.7	2.3	2.5	89.5	90.2	91.0	0.88	1.25	437
20.0	15.0	1175	286T	47.0	23.5	G	6.3	90	2.3	2.5	90.2	91.0	91.0	0.88	1.25	494
25.0	18.5	1175	324T	59.5	29.8	F	5.9	111	2.2	2.4	89.5	91.7	91.7	0.85	1.25	611
30.0	22.0	1175	326T	70.8	35.4	G	6.1	132	2.3	2.5	90.2	91.7	91.7	0.85	1.25	637
40.0	30.0	1175	364T	94.3	47.1	G	6.3	180	2.3	2.3	92.4	93.0	93.0	0.86	1.25	778
50.0	37.0	1180	365T	116	58.1	G	6.3	221	2.5	2.7	92.4	93.0	93.0	0.86	1.25	864
60.0	45.0	1180	404T	140	70.1	G	6.3	269	2.5	2.7	93.0	93.6	93.6	0.86	1.25	1129
75.0	55.0	1175	405T	174	86.8	G	6.3	330	2.5	2.6	93.0	93.6	93.6	0.85	1.25	1138
100.0	75.0	1185	444T	241	121	G	6.0	446	2.2	2.6	93.0	94.1	94.1	0.83	1.25	1545
125.0	90.0	1185	445T	283	141	G	6.3	535	2.1	2.3	93.6	94.1	94.1	0.85	1.25	1876

# Dimensions

## Horizontal split case pumps

# THSC

### Bare shaft pumps



Single stage THSC pump

Type	DN <sub>s</sub>	DN <sub>d</sub>	k1	k2	v	n1	n2	n3	a	f	h1	h2	h5	s	w	m1	m2	m3	d	l	e1	u	t	Net weight [lbs.]	Gross weight [lbs.]	Volume [ft <sup>3</sup> ]
THSC50-200	2.5	2	8.7	6.9	4.5	6.3	9.3	3.0	10.5	13.2	8.5	5.1	0.6	0.71	9.5	9.6	7.4	3.1	0.9	2.8	2.4	0.3	1.1	154	257	13.6
THSC65-250	3	2.5	9.8	8.7	5.1	9.4	12.4	3.0	11.6	14.8	9.8	6.4	0.9	0.86	10.5	10.8	8.7	3.2	1.3	3.2	2.6	0.4	1.4	265	400	20.0
THSC80-250	4	3	11.2	9.4	5.7	9.8	13.8	3.9	12.2	15.3	11.0	7.3	1.0	0.86	11.0	11.8	8.7	3.7	1.3	3.2	2.6	0.4	1.4	319	464	17.4
THSC80-315	4	3	12.8	12.4	7.7	13.4	18.3	4.9	12.5	15.6	13.0	9.2	1.0	0.86	10.3	13.8	10.6	3.7	1.3	3.2	2.6	0.4	1.4	431	605	23.2
THSC80-380	4	3	12.8	12.4	7.7	13.4	18.3	4.9	12.5	15.6	13.0	9.2	1.0	0.86	10.3	13.8	10.6	3.7	1.3	3.2	2.6	0.4	1.4	431	605	23.2
THSC100-250	5	4	12.2	9.8	6.7	9.8	13.8	3.9	12.7	15.8	12.6	7.8	1.0	0.86	11.1	12.6	9.4	3.7	1.3	3.2	2.6	0.4	1.4	396	552	20.1
THSC100-315	5	4	12.6	10.8	7.5	11.4	15.7	4.3	12.7	15.8	13.8	8.7	1.0	0.86	11.1	12.6	9.4	3.7	1.3	3.2	2.6	0.4	1.4	440	607	22.4
THSC100-400	5	4	14.8	12.8	8.3	14.6	19.3	4.7	13.1	17.1	14.4	10.2	1.0	0.86	12.4	12.6	9.4	3.4	1.5	4.0	3.3	0.4	1.6	528	726	28.2
THSC 125-250	6	5	13.2	10.8	7.1	10.2	15.7	5.5	13.1	16.2	14.2	8.4	1.0	0.86	11.3	13.8	9.8	3.9	1.3	3.2	2.6	0.4	1.4	440	614	23.4
THSC125-315	6	5	13.8	11.8	7.7	11.8	17.3	5.5	13.1	17.1	14.8	9.6	1.0	0.86	12.2	13.8	9.8	3.9	1.5	4.0	3.3	0.4	1.6	506	697	26.4
THSC125-400	6	5	15.7	13.8	8.3	15.4	20.9	5.5	13.1	17.1	15.4	10.7	1.0	0.86	11.8	14.6	10.6	3.7	1.5	4.0	3.3	0.4	1.6	660	869	31.0
THSC125-450	6	5	15.7	14.8	9.1	15.7	21.3	5.5	13.7	18.0	16.1	11.2	1.1	0.86	12.6	14.6	10.6	3.8	1.9	4.3	3.7	0.6	2.0	711	935	34.1
THSC150-250	8	6	15.2	12.8	7.5	13.8	19.3	5.5	13.8	17.8	15.4	9.2	1.0	0.94	11.7	14.6	12.0	3.1	1.5	4.0	3.3	0.4	1.6	572	774	29.5
THSC 150-315	8	6	15.7	12.2	7.1	13.8	18.7	4.9	13.9	17.8	14.8	10.2	1.0	0.94	11.5	15.2	12.6	3.1	1.5	4.0	3.3	0.4	1.6	682	889	29.9
THSC 150-400	8	6	16.7	13.8	8.3	15.0	20.5	5.5	14.7	19.0	16.1	11.5	1.1	0.86	13.3	15.4	11.4	3.8	1.9	4.3	3.7	0.6	2.0	682	911	36.2
THSC 200-250	10	8	17.7	12.8	11.0	14.2	19.5	5.3	15.7	19.6	20.7	11.1	1.1	0.94	11.8	19.7	15.7	3.8	1.5	4.0	3.3	0.4	1.6	889	1137	41.5
THSC 200-315	10	8	17.7	14.8	9.3	16.9	22.4	5.5	15.9	20.2	18.3	11.3	1.1	0.94	13.1	18.1	14.2	4.1	1.9	4.3	3.7	0.6	2.0	889	1142	42.3
THSC 200-400	10	8	19.1	16.5	9.1	18.1	23.8	5.7	16.0	20.3	18.3	12.3	1.1	0.94	14.4	15.7	11.8	3.8	2.2	4.4	3.7	0.6	2.3	990	1265	46.9
THSC 250-250	12	10	19.7	15.7	12.4	18.1	23.8	5.7	17.2	21.5	23.6	11.9	1.1	0.94	13.6	19.7	15.7	3.8	1.9	4.3	3.7	0.6	2.0	1104	1406	54.9
THSC 250-315	12	10	20.7	17.7	10.4	20.1	26.0	5.9	17.4	21.7	21.3	12.8	1.1	0.94	13.4	20.5	16.5	4.1	2.2	4.4	3.7	0.6	2.3	1177	1489	57.4
THSC 250-400	12	10	21.7	18.7	10.8	22.0	28.7	6.7	17.3	21.6	21.7	13.5	1.1	0.94	13.3	20.5	16.5	4.7	2.2	4.4	3.7	0.6	2.3	1254	1580	61.0

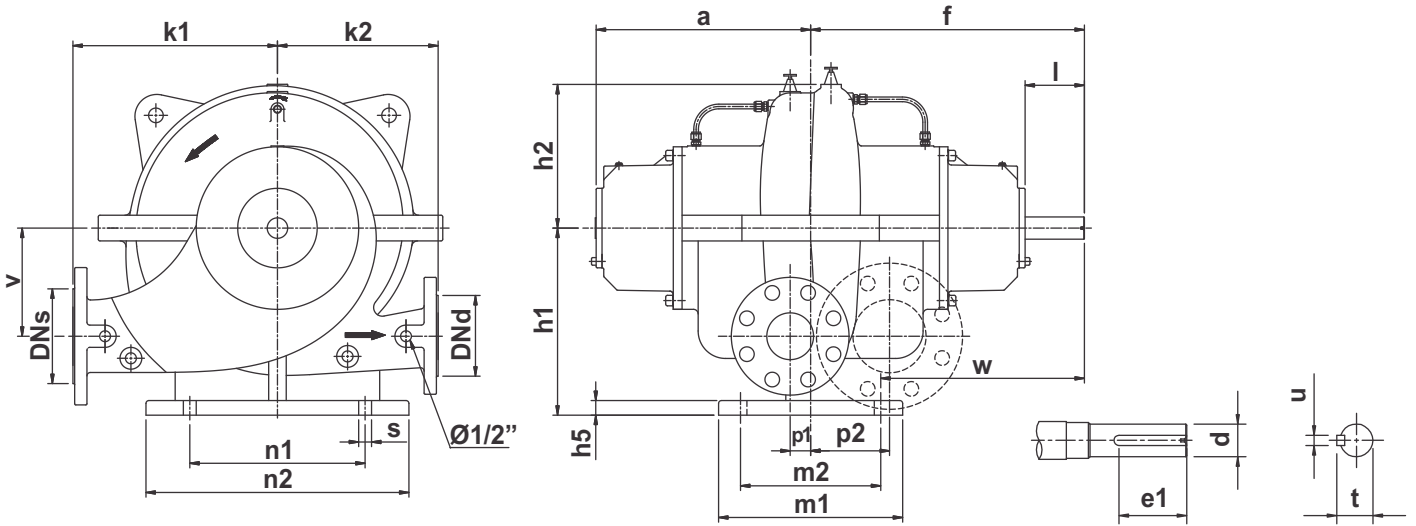
All dimensions in inches unless otherwise noted.

# Dimensions

## Horizontal split case pumps

THSC

### Bare shaft pumps



Two stage THSC pump

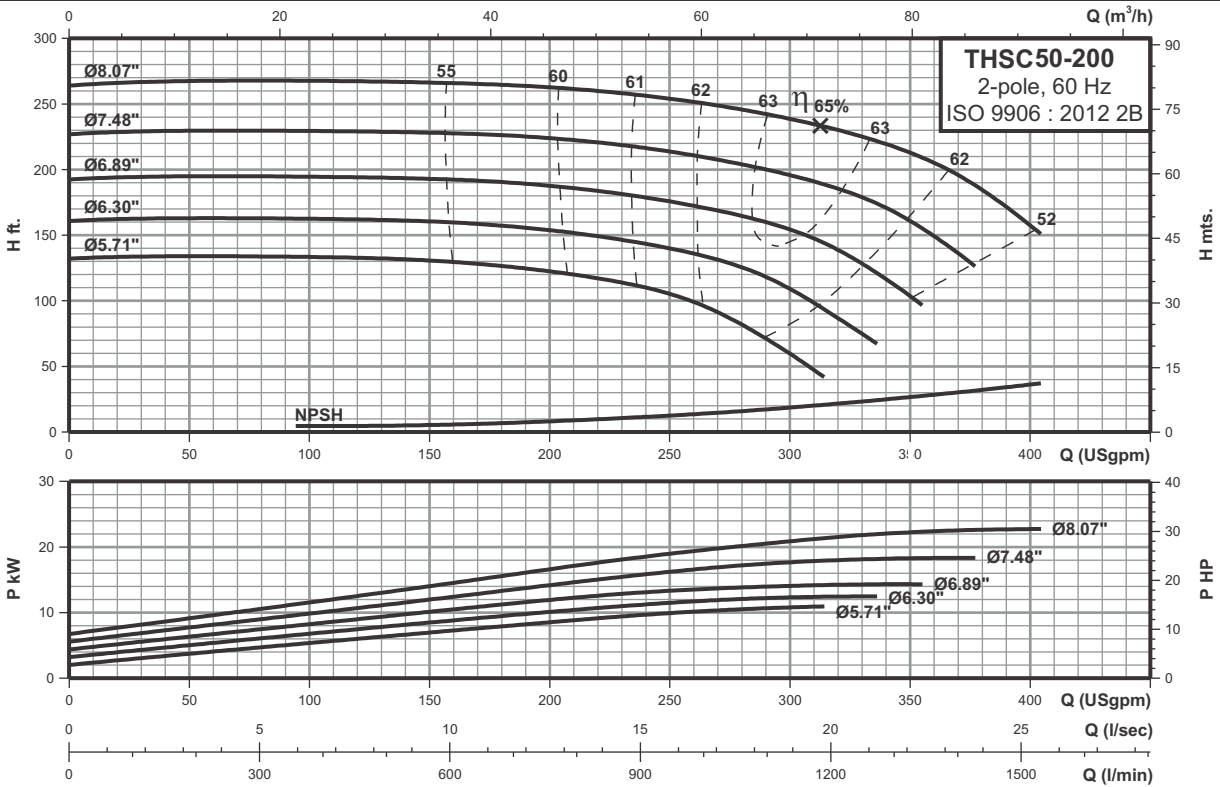
Type	DN <sub>s</sub>	DN <sub>d</sub>	k1	k2	v	n1	n2	p1	a	f	h1	h2	h5	s	w	m1	m2	p2	d	l	e1	u	t	Net weight [lbs.]	Gross weight [lbs.]	Volume [ft <sup>3</sup> ]
THSC 80-250-2	4	3	12.8	10.2	5.5	9.8	14.8	1.3	13.3	16.3	11.0	7.5	1.0	0.9	11.6	11.8	9.4	4.8	1.3	3.2	2.8	0.4	1.4	451	582	19.9
THSC 80-315-2	4	3	12.4	9.8	6.3	9.8	15.7	1.3	13.8	16.9	11.6	8.7	1.0	0.9	11.9	12.8	9.8	5.0	1.3	3.2	2.6	0.4	1.4	535	697	21.4
THSC 80-380-2	4	3	14.8	10.8	7.3	11.8	17.7	1.4	14.6	18.4	12.6	9.7	1.0	0.9	13.5	12.8	9.8	5.3	1.5	4.0	3.3	0.4	1.6	561	748	26.0
THSC100-400-2	5	4	15.9	12.8	8.9	14.6	19.3	1.6	15.3	19.5	14.8	11.1	1.0	0.9	14.6	12.8	9.5	5.7	1.9	4.3	4.0	0.6	2.0	785	1005	42.1
THSC125-400-2	6	5	18.9	13.2	8.5	15.8	20.5	1.7	16.7	20.6	15.0	11.7	1.0	0.9	15.2	13.8	10.8	7.3	1.9	4.2	4.0	0.6	2.0	902	1122	42.1

All dimensions in inches unless otherwise noted.

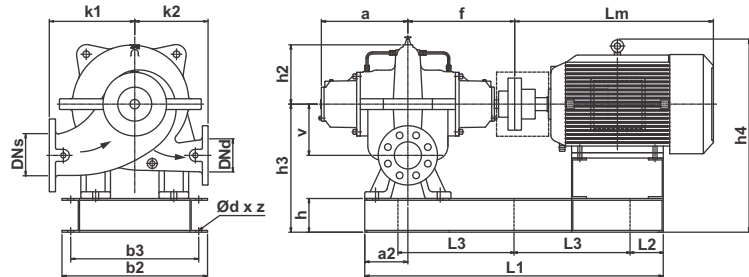
# Performance curves

# THSC 50-200 2-pole

## Horizontal split case pumps



2 POLE



## Technical data

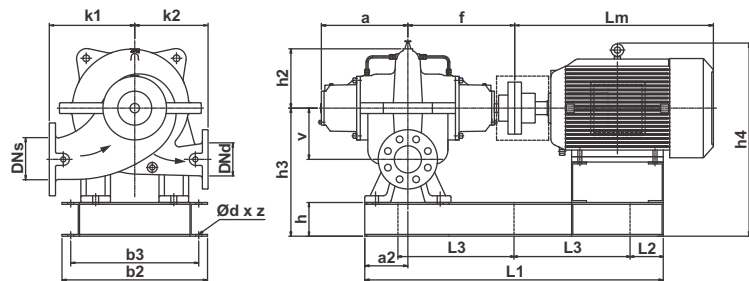
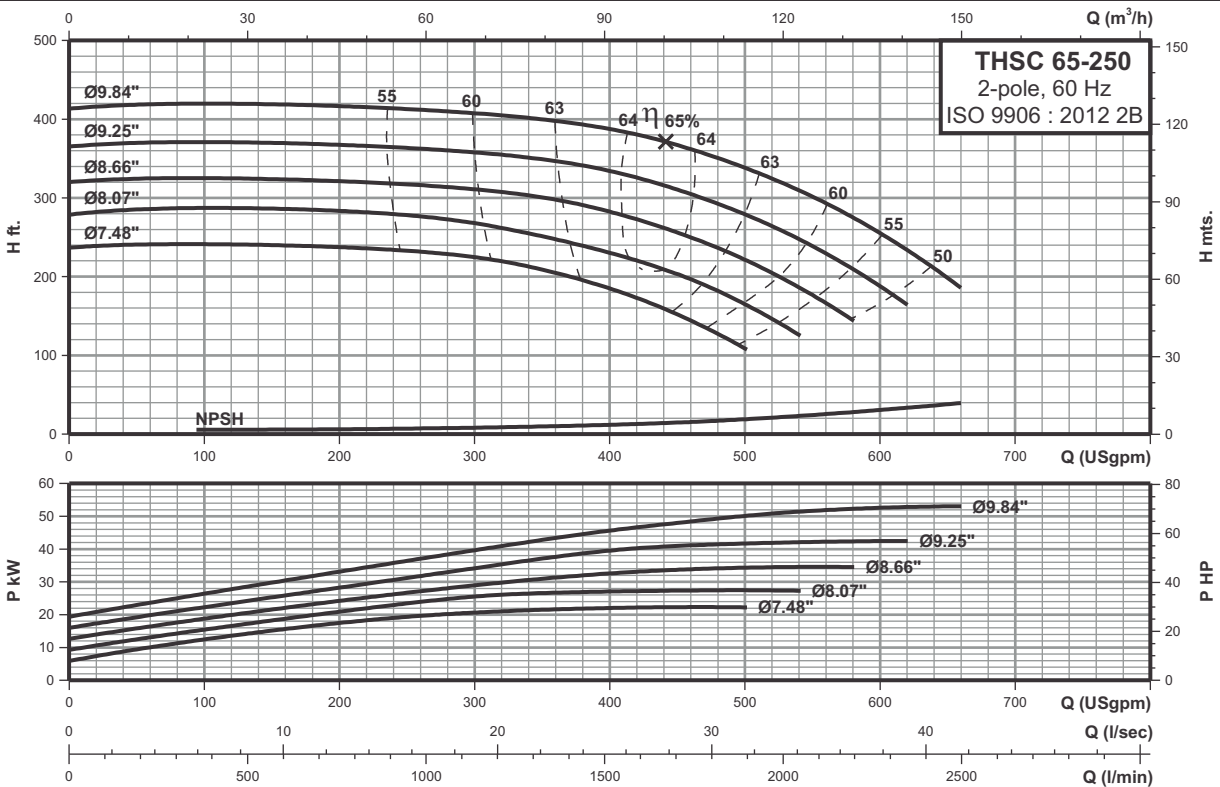
	(hp)	15	20	25	30
Power	(kw)	11	15	18.5	22
Frame		254T	256T	284TS	286TS
ANSI flange		125	125	125	125
DNs	inch(mm)	2.50(65)	2.50(65)	2.50(65)	2.50(65)
DNd	inch(mm)	2.00(50)	2.00(50)	2.00(50)	2.00(50)
a	inch(mm)	10.47(266)	10.47(266)	10.47(266)	10.47(266)
a2	inch(mm)	4.80(122)	4.80(122)	4.80(122)	4.80(122)
f	inch(mm)	13.27(337)	13.27(337)	13.27(337)	13.27(337)
k1	inch(mm)	8.66(220)	8.66(220)	8.66(220)	8.66(220)
k2	inch(mm)	6.89(175)	6.89(175)	6.89(175)	6.89(175)
v	inch(mm)	4.53(115)	4.53(115)	4.53(115)	4.53(115)
h2	inch(mm)	5.12(130)	5.12(130)	5.12(130)	5.12(130)
h3	inch(mm)	8.86(225)	8.86(225)	8.86(225)	8.86(225)
h4	inch(mm)	20.55(522)	20.55(522)	21.34(542)	21.34(542)
Lm	inch(mm)	23.35(593)	25.00(635)	27.76(705)	29.25(743)
h	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
b2	inch(mm)	15.55(395)	15.55(395)	16.73(425)	16.73(425)
b3	inch(mm)	14.17(360)	14.17(360)	15.35(390)	15.35(390)
L1	inch(mm)	37.13(943)	37.13(943)	37.32(948)	38.66(982)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	15.63(397)	15.63(397)	15.71(399)	16.38(416)
Ød x z		18 X 6	18 X 6	18 X 6	18 X 6
Net Weight	lbs(kg)	466(212)	509(231)	673(306)	711(323)
Gross Weight	lbs(kg)	607(276)	650(295)	813(370)	851(387)
Volume	ft³(m³)	23.39(0.663)	23.39(0.663)	23.39(0.663)	23.39(0.663)

# Performance curves

# THSC 65-250 2-pole

## Horizontal split case pumps

2 POLE



## Technical data

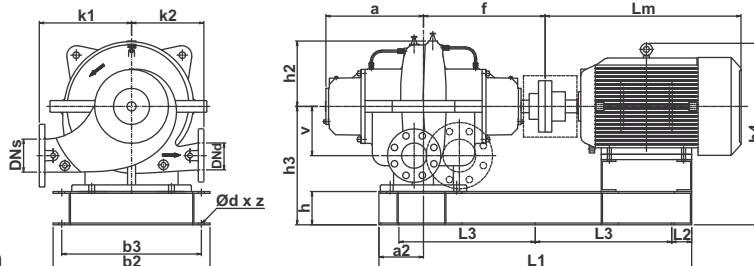
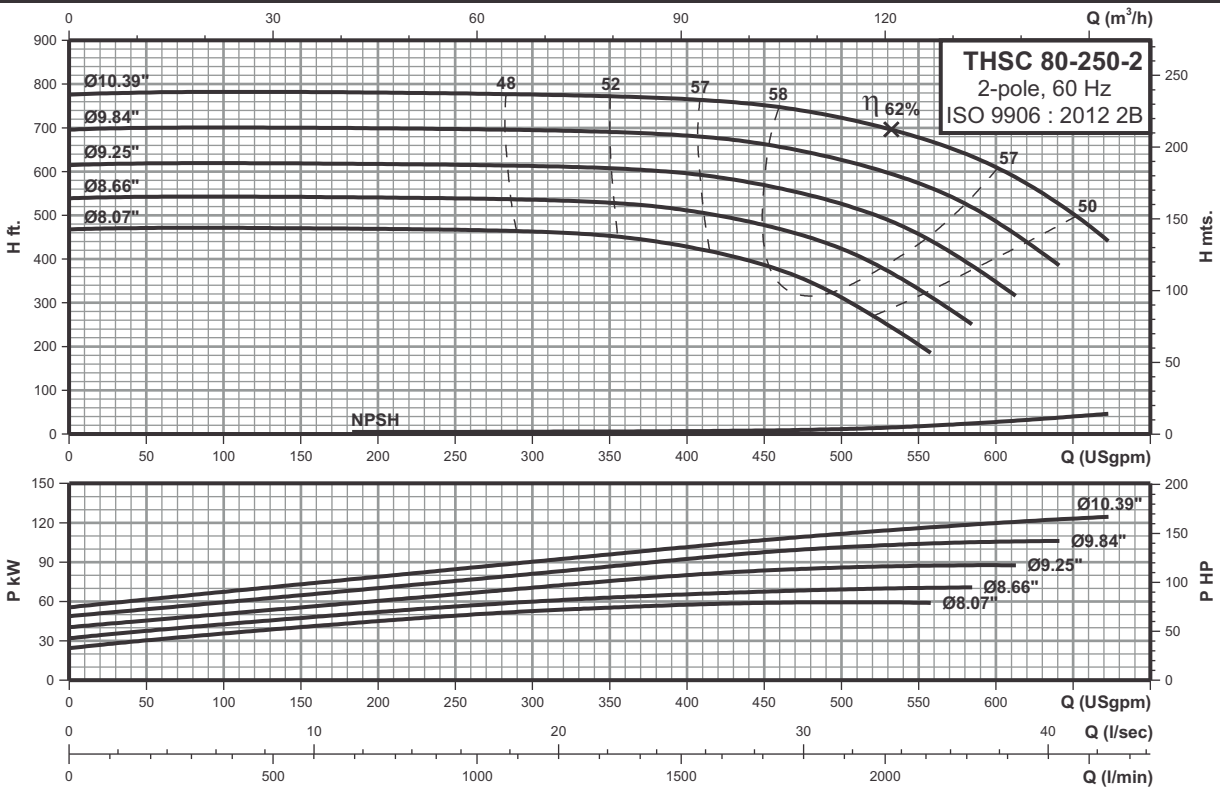
		30	40	50	60	75
Power	(hp)	30	40	50	60	75
	(kw)	22	30	37	45	55
Frame		286T	324TS	326TS	364TS	365TS
ANSI flange		125	125	125	250	250
DNs	inch(mm)	3.0(80)	3.0(80)	3.0(80)	3.0(80)	3.0(80)
DNd	inch(mm)	2.5(65)	2.5(65)	2.5(65)	2.5(65)	2.5(65)
a	inch(mm)	11.61(295)	11.61(295)	11.61(295)	11.61(295)	11.61(295)
a2	inch(mm)	5.43(138)	5.43(138)	5.43(138)	5.43(138)	5.43(138)
f	inch(mm)	14.86(378)	14.86(378)	14.86(378)	14.86(378)	14.86(378)
k1	inch(mm)	9.84(250)	9.84(250)	9.84(250)	9.84(250)	9.84(250)
k2	inch(mm)	8.66(220)	8.66(220)	8.66(220)	8.66(220)	8.66(220)
v	inch(mm)	5.12(130)	5.12(130)	5.12(130)	5.12(130)	5.12(130)
h2	inch(mm)	6.42(163)	6.42(163)	6.42(163)	6.42(163)	6.42(163)
h3	inch(mm)	14.76(375)	14.76(375)	14.76(375)	14.76(375)	14.76(375)
h4	inch(mm)	24.29(617)	24.88(632)	24.88(632)	25.94(659)	25.94(659)
Lm	inch(mm)	30.00(762)	30.91(785)	30.91(785)	31.38(797)	32.36(822)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	21.46(545)	21.46(545)	21.46(545)	23.23(590)	23.23(590)
b3	inch(mm)	18.90(480)	18.90(480)	18.90(480)	20.67(525)	20.67(525)
L1	inch(mm)	40.63(1032)	43.07(1094)	43.07(1094)	42.91(1090)	43.86(1114)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	17.36(441)	18.58(472)	18.58(472)	18.50(470)	18.98(482)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	893(406)	1014(461)	1065(484)	1153(524)	1267(576)
Gross Weight	lbs(kg)	1047(476)	1168(531)	1219(554)	1307(594)	1421(646)
Volume	ft³(m³)	25.416(0.720)	27.075(0.767)	27.075(0.767)	27.075(0.767)	27.075(0.767)

# Performance curves

# THSC 80-250-2 2-pole

## Horizontal split case pumps

2 POLE



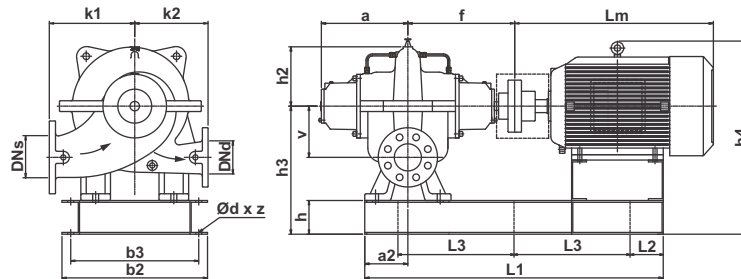
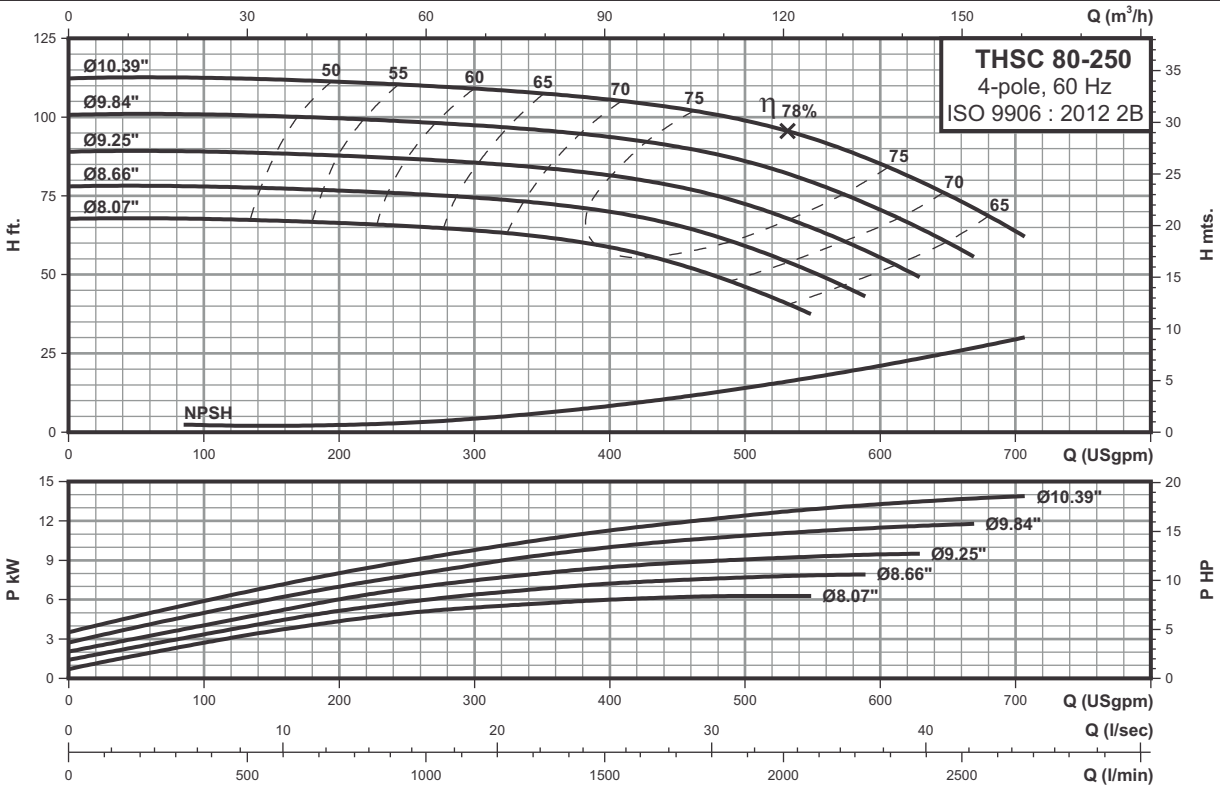
### Technical data

		100	125	150	200
Power	(hp)	100	125	150	200
	(kw)	75	90	110	150
Frame		405TS	444TS	445TS	505TS
ANSI flange		250	250	250	250
DNs	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
DNd	inch(mm)	3.00(80)	3.00(80)	3.00(80)	3.00(80)
a	inch(mm)	13.31(338)	13.31(338)	13.31(338)	13.31(338)
a2	inch(mm)	5.91(150)	5.91(150)	5.91(150)	5.91(150)
f	inch(mm)	16.50(419)	16.50(419)	16.50(419)	16.50(419)
k1	inch(mm)	12.80(325)	12.80(325)	12.80(325)	12.80(325)
k2	inch(mm)	10.24(260)	10.24(260)	10.24(260)	10.24(260)
v	inch(mm)	5.51(140)	5.51(140)	5.51(140)	5.51(140)
h2	inch(mm)	7.52(191)	7.52(191)	7.52(191)	7.52(191)
h3	inch(mm)	15.94(405)	15.94(405)	15.94(405)	17.32(440)
h4	inch(mm)	28.46(723)	29.92(760)	29.92(760)	31.30(795)
Lm	inch(mm)	37.72(958)	38.15(969)	41.93(1065)	49.69(1262)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.38(670)	26.38(670)	26.38(670)	29.65(753)
b3	inch(mm)	23.82(605)	23.82(605)	23.82(605)	27.05(687)
L1	inch(mm)	50.63(1286)	53.31(1354)	53.31(1354)	62.24(1581)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	5.12(130)
L3	inch(mm)	22.36(568)	23.70(602)	23.70(602)	26.02(661)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1866(848)	2026(921)	2193(997)	2752(1251)
Gross Weight	lbs(kg)	2086(948)	2246(1021)	2440(1109)	2999(1363)
Volume	ft³(m³)	47.93(1.358)	47.93(1.358)	57.38(1.626)	57.38(1.626)

# Performance curves

# THSC 80-250 4-pole

## Horizontal split case pumps



## Technical data

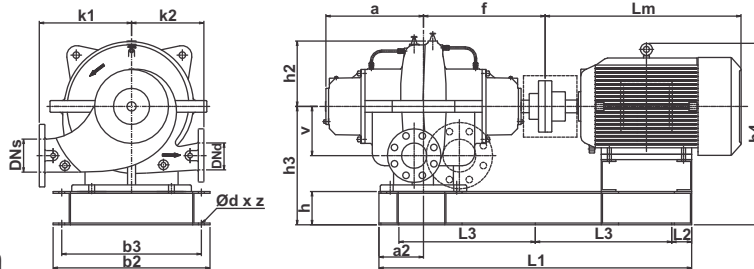
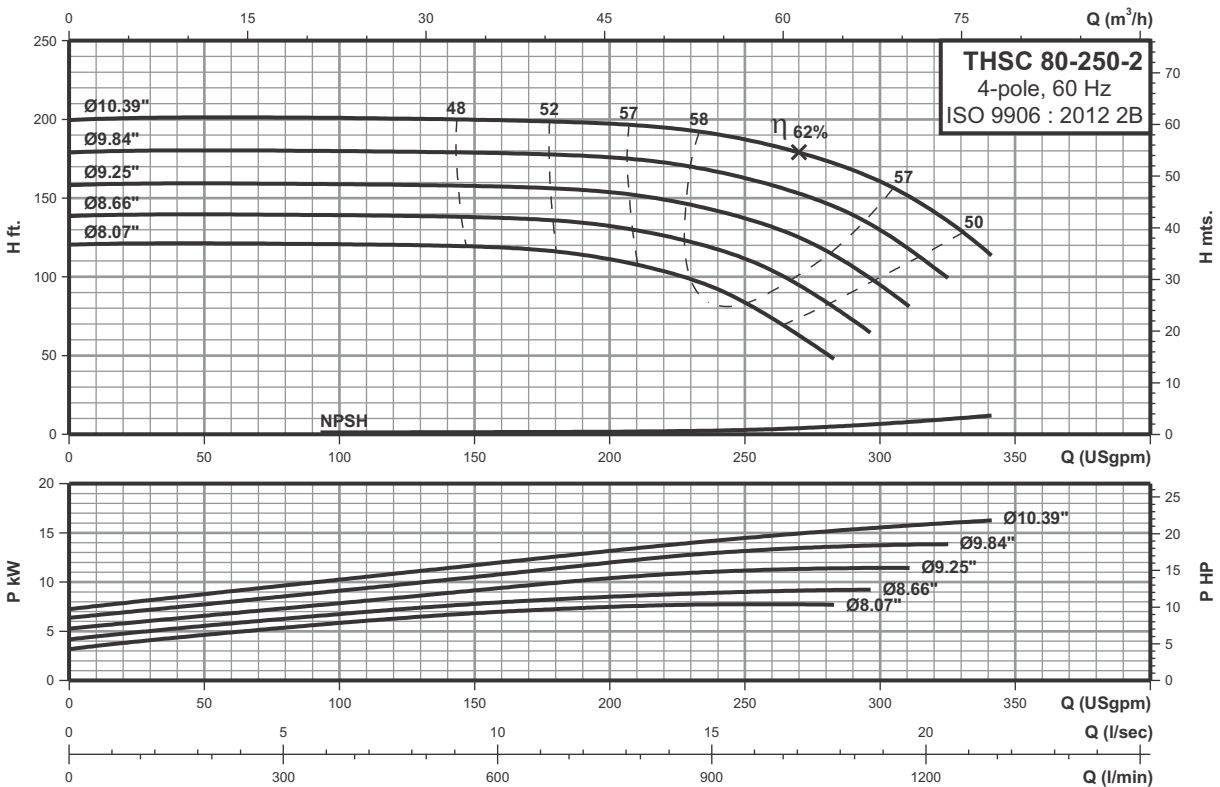
Power	(hp)	7.5	10	15	20
	(kw)	5.5	7.5	11	15
Frame		213T	215T	254T	256T
ANSI flange		125	125	125	125
DNs	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
DNd	inch(mm)	3.00(80)	3.00(80)	3.00(80)	3.00(80)
a	inch(mm)	12.17(309)	12.17(309)	12.17(309)	12.17(309)
a2	inch(mm)	5.91(150)	5.91(150)	5.91(150)	5.91(150)
f	inch(mm)	15.39(391)	15.39(391)	15.39(391)	15.39(391)
k1	inch(mm)	11.22(285)	11.22(285)	11.22(285)	11.22(285)
k2	inch(mm)	9.45(240)	9.45(240)	9.45(240)	9.45(240)
v	inch(mm)	5.71(145)	5.71(145)	5.71(145)	5.71(145)
h2	inch(mm)	7.28(185)	7.28(185)	7.28(185)	7.28(185)
h3	inch(mm)	15.94(405)	15.94(405)	15.94(405)	15.94(405)
h4	inch(mm)	23.27(591)	23.27(591)	24.67(627)	24.67(627)
Lm	inch(mm)	19.96(507)	19.96(507)	23.35(593)	25.00(635)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	19.29(490)	19.29(490)	19.29(490)	19.29(490)
b3	inch(mm)	16.73(425)	16.73(425)	16.73(425)	16.73(425)
L1	inch(mm)	36.46(926)	36.46(926)	39.02(991)	40.67(1033)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	15.28(388)	15.28(388)	16.56(421)	17.38(442)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	625(284)	658(299)	746(339)	801(364)
Gross Weight	lbs(kg)	836(380)	869(395)	964(438)	1026(466)
Volume	ft³(m³)	31.65(0.896)	31.65(0.896)	33.58(0.951)	34.53(0.978)

4 POLE

# Performance curves

## Horizontal split case pumps

# THSC 80-250-2 4-pole



## Technical data

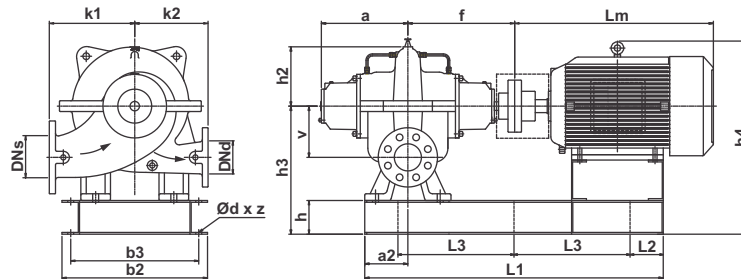
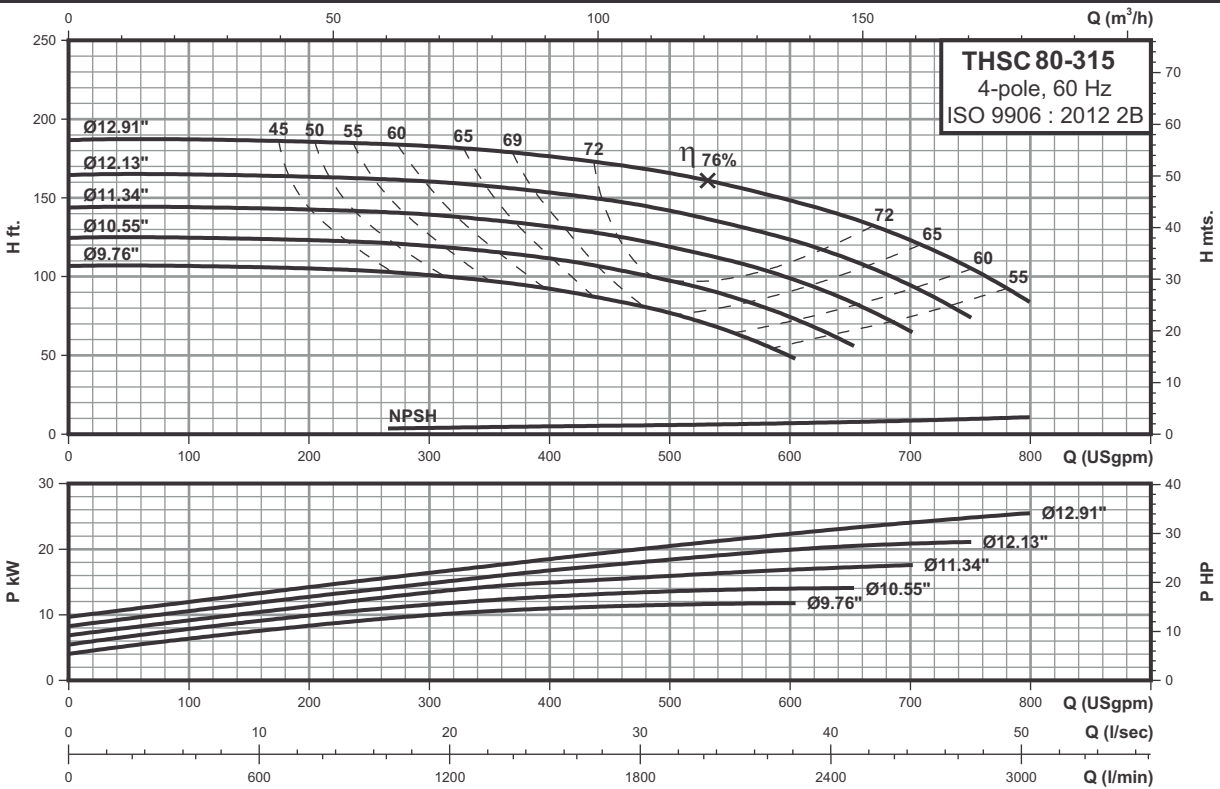
		10	15	20	25
		(hp)	(kw)	(hp)	(kw)
Power		7.5	11	15	18.5
Frame		215T	254T	256T	284T
ANSI flange		125	125	125	125
DNs	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
DNd	inch(mm)	3.00(80)	3.00(80)	3.00(80)	3.00(80)
a	inch(mm)	13.31(338)	13.31(338)	13.31(338)	13.31(338)
a2	inch(mm)	5.91(150)	5.91(150)	5.91(150)	5.91(150)
f	inch(mm)	16.50(419)	16.50(419)	16.50(419)	16.50(419)
k1	inch(mm)	12.80(325)	12.80(325)	12.80(325)	12.80(325)
k2	inch(mm)	10.24(260)	10.24(260)	10.24(260)	10.24(260)
v	inch(mm)	5.51(140)	5.51(140)	5.51(140)	5.51(140)
h2	inch(mm)	7.52(191)	7.52(191)	7.52(191)	7.52(191)
h3	inch(mm)	15.94(405)	15.94(405)	15.94(405)	15.94(405)
h4	inch(mm)	23.74(603)	24.69(627)	24.69(627)	25.47(647)
Lm	inch(mm)	19.96(507)	23.35(593)	25.00(635)	28.46(723)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.38(670)	26.38(670)	26.38(670)	26.38(670)
b3	inch(mm)	23.82(605)	23.82(605)	23.82(605)	23.82(605)
L1	inch(mm)	37.09(942)	39.92(1014)	41.57(1056)	44.02(1118)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	15.59(396)	17.01(432)	17.83(453)	19.06(484)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	790(359)	867(394)	916(416)	1091(496)
Gross Weight	lbs(kg)	979(445)	1056(480)	1105(502)	1280(582)
Volume	ft³(m³)	38.94(1.103)	38.94(1.103)	38.94(1.103)	38.94(1.103)

4 POLE

# Performance curves

# THSC 80-315 4-pole

## Horizontal split case pumps



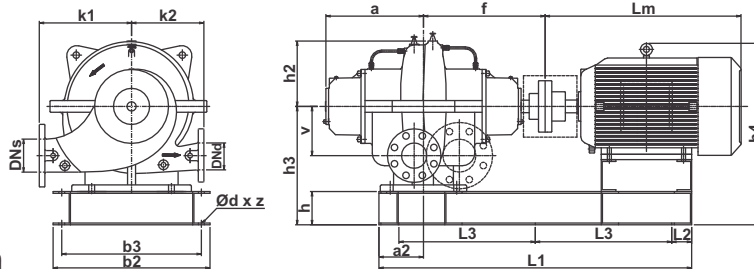
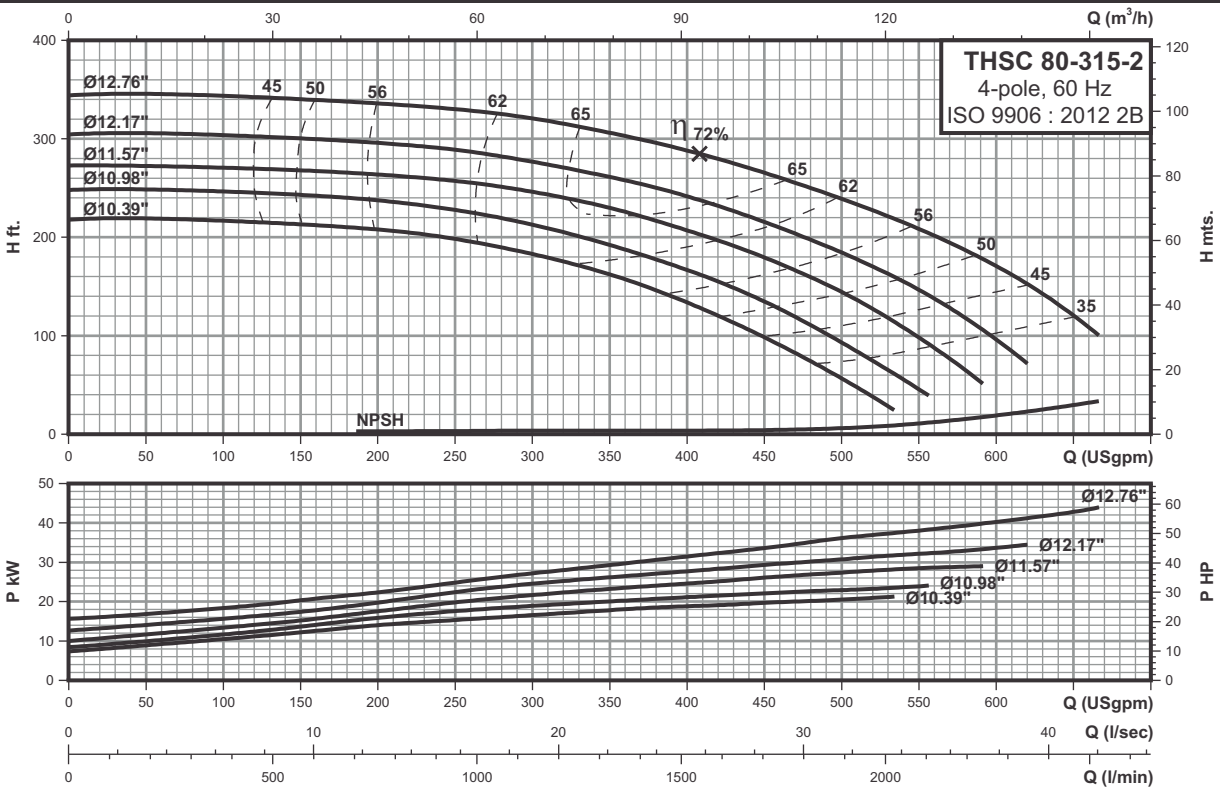
## Technical data

		15	20	25	30	40
		(hp)	(kw)	(hp)	(kw)	(hp)
Power		15	20	25	30	40
		11	15	18.5	22	30
Frame		254T	256T	284T	286T	324T
ANSI flange		125	125	125	125	125
DNs	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
DNd	inch(mm)	3.00(80)	3.00(80)	3.00(80)	3.00(80)	3.00(80)
a	inch(mm)	12.48(317)	12.48(317)	12.48(317)	12.48(317)	12.48(317)
a2	inch(mm)	6.89(175)	6.89(175)	6.89(175)	6.89(175)	6.89(175)
f	inch(mm)	15.67(398)	15.67(398)	15.67(398)	15.67(398)	15.67(398)
k1	inch(mm)	12.80(325)	12.80(325)	12.80(325)	12.80(325)	12.80(325)
k2	inch(mm)	12.40(315)	12.40(315)	12.40(315)	12.40(315)	12.40(315)
v	inch(mm)	7.68(195)	7.68(195)	7.68(195)	7.68(195)	7.68(195)
h2	inch(mm)	9.21(234)	9.21(234)	9.21(234)	9.21(234)	9.21(234)
h3	inch(mm)	17.91(455)	17.91(455)	17.91(455)	17.91(455)	17.91(455)
h4	inch(mm)	26.65(677)	26.65(677)	27.44(697)	27.44(697)	28.03(712)
Lm	inch(mm)	23.35(593)	25.00(635)	28.46(723)	30.00(762)	32.44(824)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	23.82(605)	23.82(605)	23.82(605)	23.82(605)	23.82(605)
b3	inch(mm)	21.26(540)	21.26(540)	21.26(540)	21.26(540)	21.26(540)
L1	inch(mm)	40.31(1024)	41.97(1066)	42.99(1092)	44.33(1126)	46.93(1192)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	17.20(437)	18.03(458)	18.54(471)	19.21(488)	20.51(521)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	871(396)	925(420)	1095(498)	1135(516)	1272(578)
Gross Weight	lbs(kg)	1131(514)	1186(539)	1368(622)	1410(641)	1555(707)
Volume	ft³(m³)	43.79(1.240)	45.01(1.275)	47.56(1.347)	48.69(1.379)	50.49(1.430)

# Performance curves

# THSC 80-315-2 4-pole

## Horizontal split case pumps



## Technical data

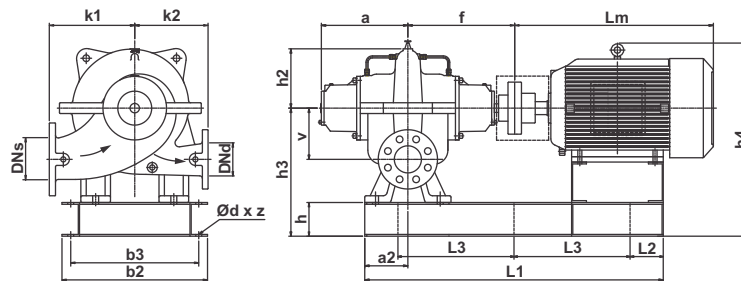
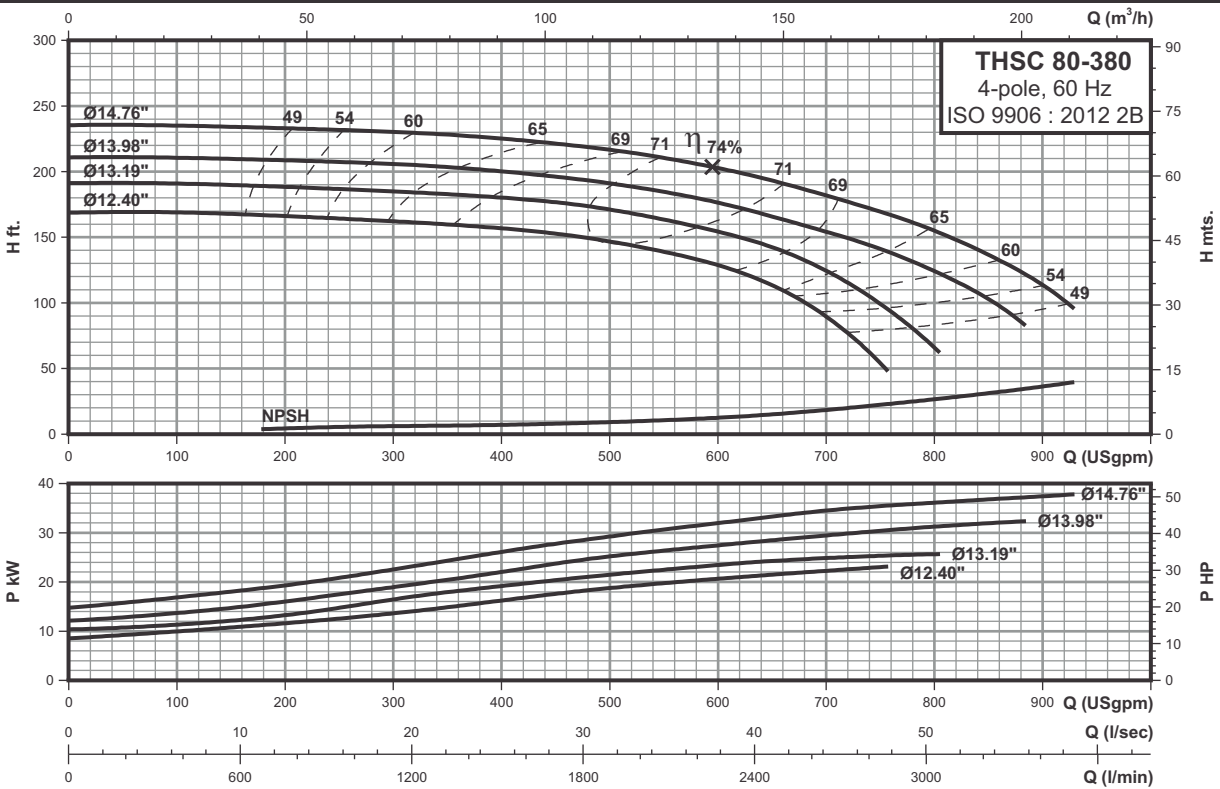
Power	(hp)	30	40	50	60
	(kw)	22	30	37	45
Frame		286T	324T	326T	364T
ANSI flange		125	125	250	250
DNs	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
DNd	inch(mm)	3.00(80)	3.00(80)	3.00(80)	3.00(80)
a	inch(mm)	15.00(381)	15.00(381)	15.00(381)	15.00(381)
a2	inch(mm)	6.61(168)	6.61(168)	6.61(168)	6.61(168)
f	inch(mm)	15.67(398)	15.67(398)	15.67(398)	15.67(398)
k1	inch(mm)	12.40(315)	12.40(315)	12.40(315)	12.40(315)
k2	inch(mm)	9.84(250)	9.84(250)	9.84(250)	9.84(250)
v	inch(mm)	6.30(160)	6.30(160)	6.30(160)	6.30(160)
h2	inch(mm)	8.74(222)	8.74(222)	8.74(222)	8.74(222)
h3	inch(mm)	16.54(420)	16.54(420)	16.54(420)	16.54(420)
h4	inch(mm)	26.06(662)	26.65(677)	26.65(677)	27.72(704)
Lm	inch(mm)	30.00(762)	32.44(824)	32.44(824)	33.62(854)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	21.26(540)	21.26(540)	21.26(540)	21.26(540)
b3	inch(mm)	18.70(475)	18.70(475)	18.70(475)	18.70(475)
L1	inch(mm)	45.35(1152)	47.87(1216)	47.87(1216)	48.50(1232)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	19.72(501)	20.98(533)	20.98(533)	21.30(541)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1184(538)	1313(597)	1368(622)	1485(675)
Gross Weight	lbs(kg)	1441(655)	1577(717)	1632(742)	1751(796)
Volume	ft³(m³)	43.76(1.239)	45.32(1.284)	45.32(1.284)	46.08(1.305)

4 POLE

# Performance curves

# THSC 80-380 4-pole

## Horizontal split case pumps



## Technical data

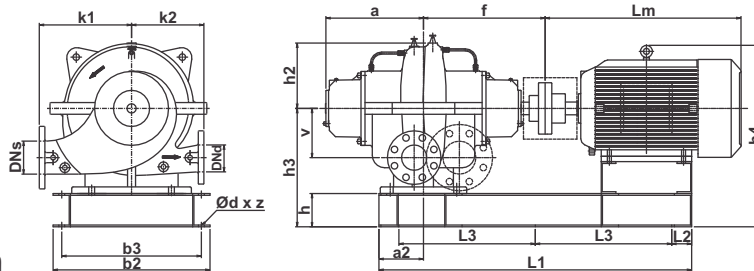
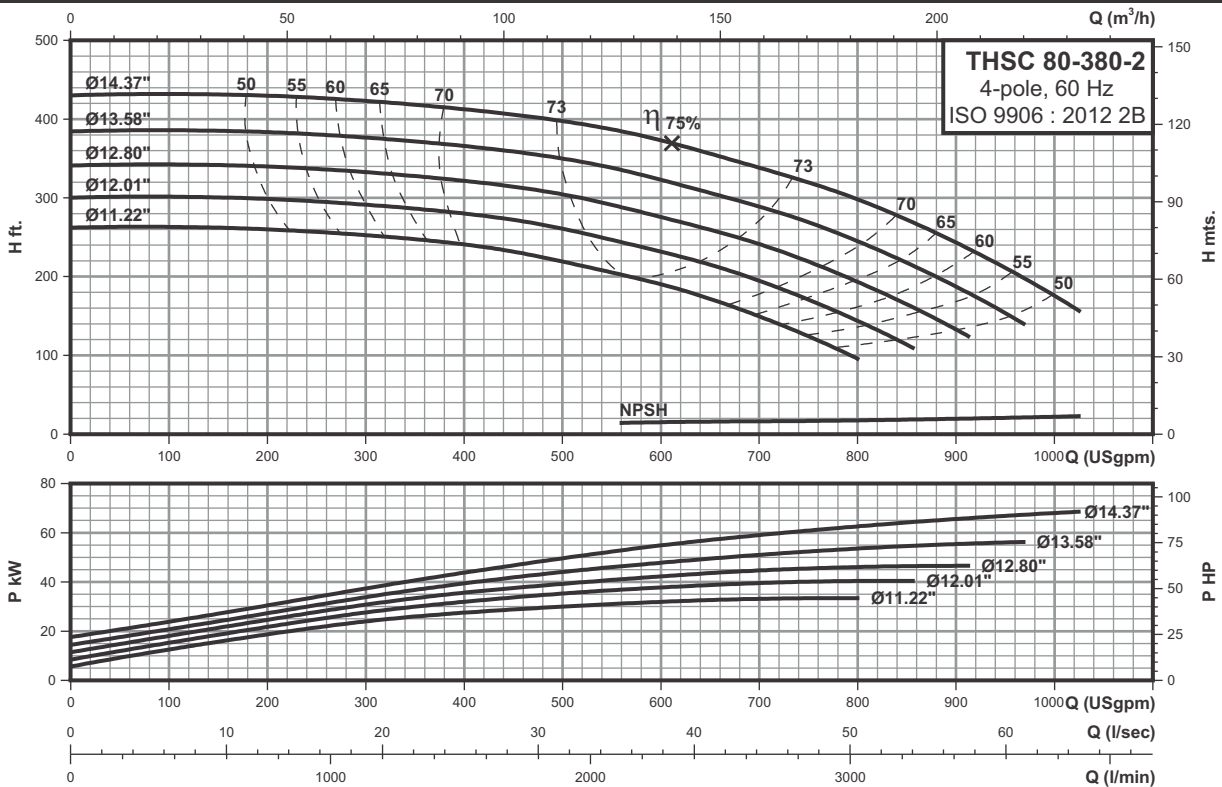
Power	(hp)	30	40	50
	(kw)	22	30	37
Frame		286T	324T	326T
ANSI flange		125	125	125
DNs	inch(mm)	4.00(100)	4.00(100)	4.00(100)
DNd	inch(mm)	3.00(80)	3.00(80)	3.00(80)
a	inch(mm)	12.48(317)	12.48(317)	12.48(317)
a2	inch(mm)	6.89(175)	6.89(175)	6.89(175)
f	inch(mm)	15.71(399)	15.71(399)	15.71(399)
k1	inch(mm)	12.80(325)	12.80(325)	12.80(325)
k2	inch(mm)	12.40(315)	12.40(315)	12.40(315)
v	inch(mm)	7.68(195)	7.68(195)	7.68(195)
h2	inch(mm)	9.21(234)	9.21(234)	9.21(234)
h3	inch(mm)	17.91(455)	17.91(455)	17.91(455)
h4	inch(mm)	27.44(697)	28.03(712)	28.03(712)
Lm	inch(mm)	30.00(762)	32.44(824)	32.44(824)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	23.82(605)	23.82(605)	23.82(605)
b3	inch(mm)	21.26(540)	21.26(540)	21.26(540)
L1	inch(mm)	44.33(1126)	46.85(1190)	46.85(1190)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	19.21(488)	20.47(520)	20.47(520)
Ød x z		22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1148(522)	1285(584)	1340(609)
Gross Weight	lbs(kg)	1423(647)	1569(713)	1624(738)
Volume	ft³(m³)	48.72(1.380)	50.52(1.431)	50.52(1.431)

4 POLE

# Performance curves

## Horizontal split case pumps

# THSC 80-380-2 4-pole



## Technical data

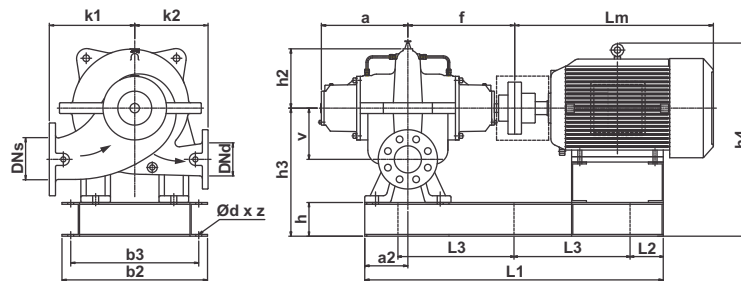
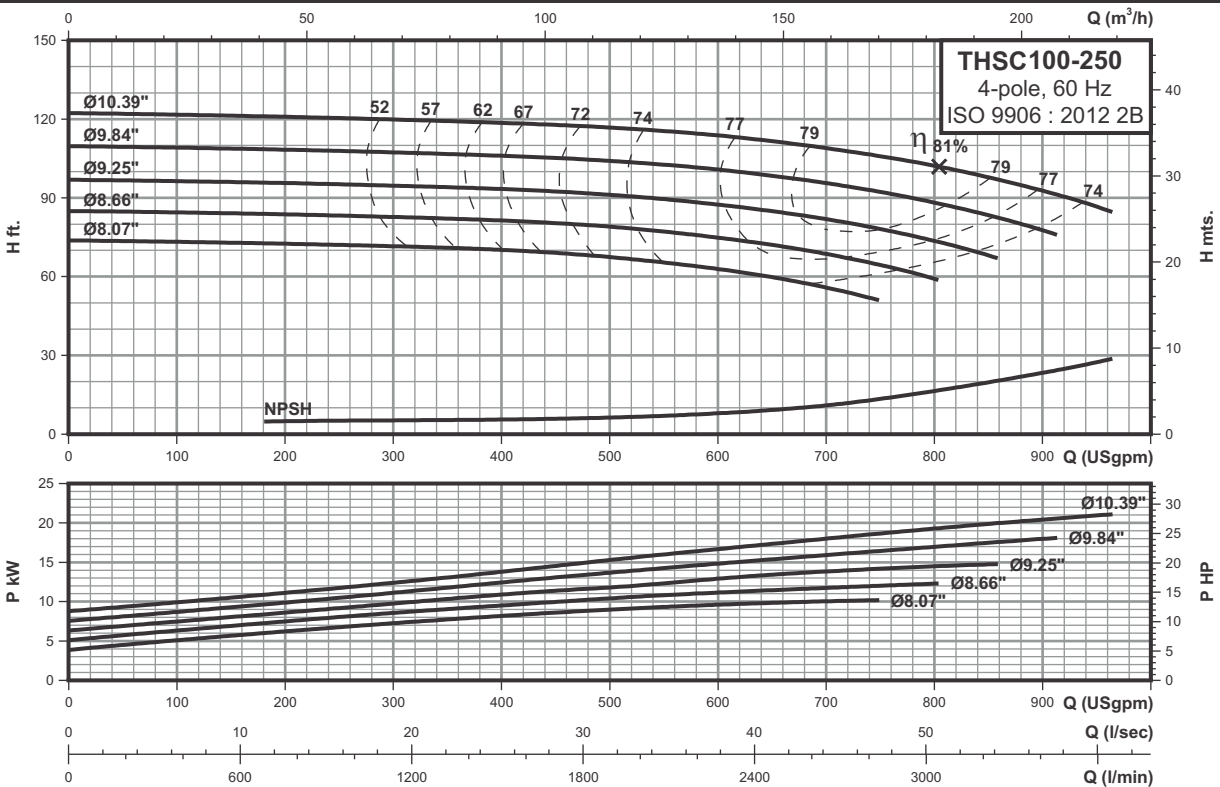
Power	(hp)	50	60	75	100
	(kw)	37	45	55	75
Frame		326T	364T	365T	405T
ANSI flange		125	250	250	250
DNs	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
DNd	inch(mm)	3.00(80)	3.00(80)	3.00(80)	3.00(80)
a	inch(mm)	15.91(404)	15.91(404)	15.91(404)	15.91(404)
a2	inch(mm)	5.04(128)	5.04(128)	5.04(128)	5.04(128)
f	inch(mm)	17.17(436)	17.17(436)	17.17(436)	17.17(436)
k1	inch(mm)	13.78(350)	13.78(350)	13.78(350)	13.78(350)
k2	inch(mm)	10.83(275)	10.83(275)	10.83(275)	10.83(275)
v	inch(mm)	7.28(185)	7.28(185)	7.28(185)	7.28(185)
h2	inch(mm)	9.69(246)	9.69(246)	9.69(246)	9.69(246)
h3	inch(mm)	17.52(445)	17.52(445)	17.52(445)	17.52(445)
h4	inch(mm)	27.64(702)	28.74(730)	28.74(730)	30.00(762)
Lm	inch(mm)	32.44(824)	33.62(854)	34.61(879)	38.70(983)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	23.23(590)	23.23(590)	23.23(590)	23.23(590)
b3	inch(mm)	20.67(525)	20.67(525)	20.67(525)	20.67(525)
L1	inch(mm)	49.21(1250)	49.92(1268)	50.87(1292)	54.41(1382)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	21.65(550)	22.01(559)	22.48(571)	24.25(616)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1448(658)	1564(711)	1674(761)	2090(950)
Gross Weight	lbs(kg)	1742(792)	1863(847)	1978(899)	2405(1093)
Volume	ft³(m³)	53.23(1.508)	54.09(1.532)	54.80(1.552)	57.77(1.636)

4 POLE

# Performance curves

# THSC 100-250 4-pole

## Horizontal split case pumps



## Technical data

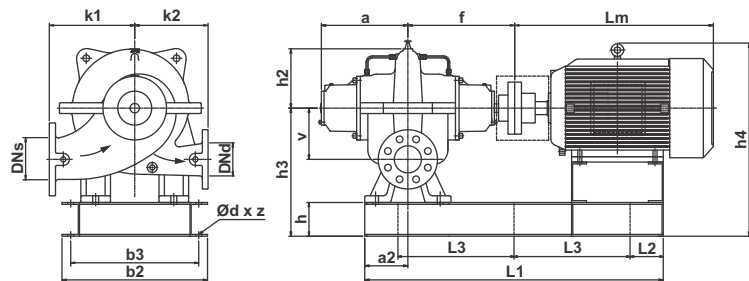
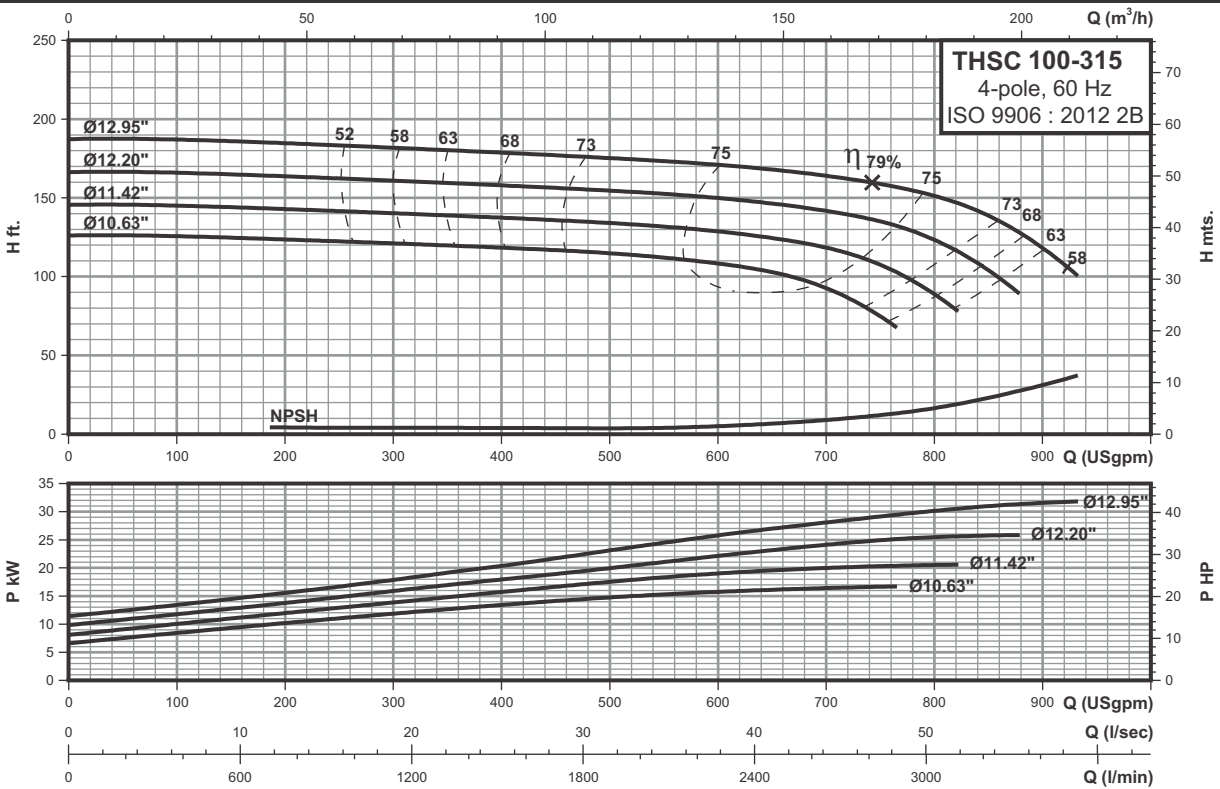
		15	20	25	30
		(hp)	(kw)	(hp)	(kw)
Power		15	20	25	30
		11	15	18.5	22
Frame		254T	256T	284T	286T
ANSI flange		125	125	125	125
DNs	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
DNd	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
a	inch(mm)	12.72(323)	12.72(323)	12.72(323)	12.72(323)
a2	inch(mm)	6.30(160)	6.30(160)	6.30(160)	6.30(160)
f	inch(mm)	15.91(404)	15.91(404)	15.91(404)	15.91(404)
k1	inch(mm)	12.20(310)	12.20(310)	12.20(310)	12.20(310)
k2	inch(mm)	9.84(250)	9.84(250)	9.84(250)	9.84(250)
v	inch(mm)	6.69(170)	6.69(170)	6.69(170)	6.69(170)
h2	inch(mm)	7.83(199)	7.83(199)	7.83(199)	7.83(199)
h3	inch(mm)	17.52(445)	17.52(445)	17.52(445)	17.52(445)
h4	inch(mm)	26.26(667)	26.26(667)	27.05(687)	27.05(687)
Lm	inch(mm)	23.35(593)	25.00(635)	28.46(723)	30.00(762)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	19.29(490)	19.29(490)	19.29(490)	19.29(490)
b3	inch(mm)	16.73(425)	16.73(425)	16.73(425)	16.73(425)
L1	inch(mm)	40.31(1024)	41.97(1066)	42.68(1084)	44.02(1118)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	17.20(437)	18.03(458)	18.39(467)	19.06(484)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	805(366)	859(390)	1029(468)	1069(486)
Gross Weight	lbs(kg)	1041(473)	1098(499)	1278(581)	1322(601)
Volume	ft³(m³)	38.03(1.077)	39.08(1.107)	41.28(1.169)	42.26(1.197)

4 POLE

# Performance curves

# THSC 100-315 4-pole

## Horizontal split case pumps



## Technical data

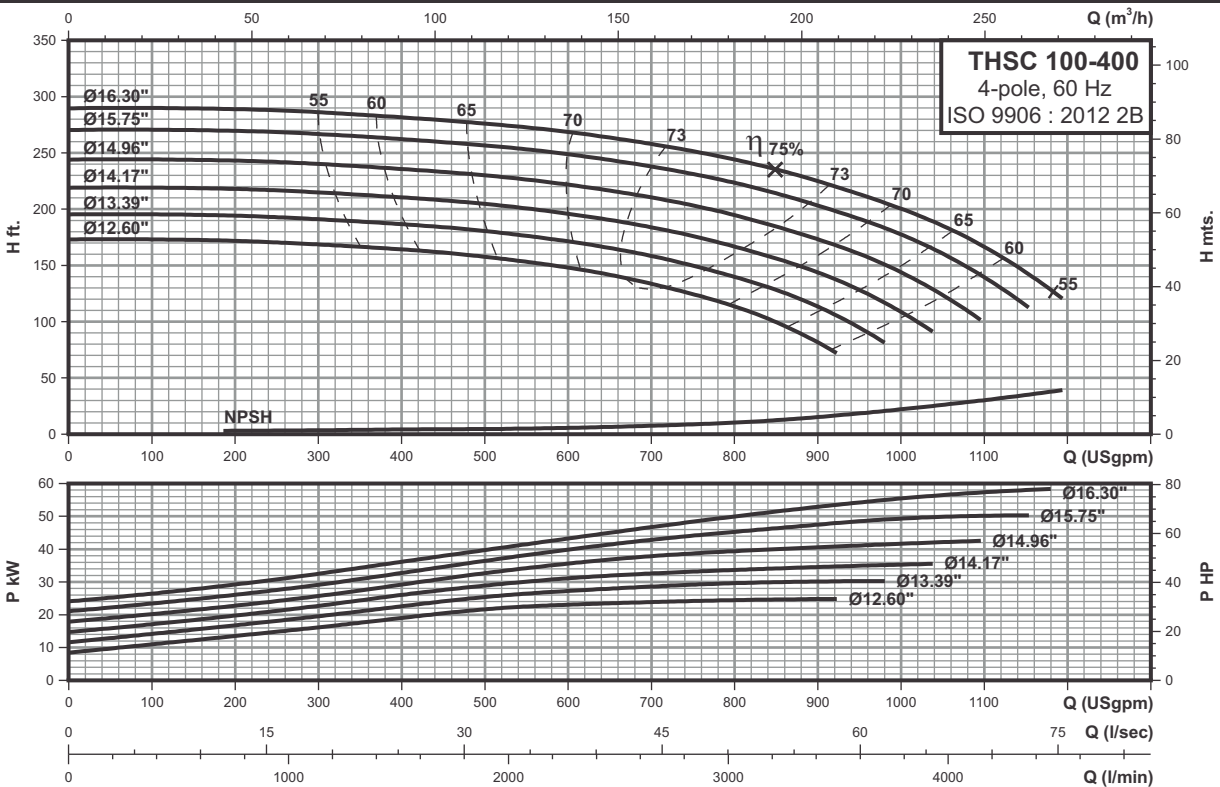
Power	(hp)	25	30	40	50
	(kw)	18.5	22	30	37
Frame		284T	286T	324T	326T
ANSI flange		125	125	125	125
DNs	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
DNd	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
a	inch(mm)	12.72(323)	12.72(323)	12.72(323)	12.72(323)
a2	inch(mm)	6.30(160)	6.30(160)	6.30(160)	6.30(160)
f	inch(mm)	15.91(404)	15.91(404)	15.91(404)	15.91(404)
k1	inch(mm)	12.60(320)	12.60(320)	12.60(320)	12.60(320)
k2	inch(mm)	10.83(275)	10.83(275)	10.83(275)	10.83(275)
v	inch(mm)	7.48(190)	7.48(190)	7.48(190)	7.48(190)
h2	inch(mm)	8.66(220)	8.66(220)	8.66(220)	8.66(220)
h3	inch(mm)	18.70(475)	18.70(475)	18.70(475)	18.70(475)
h4	inch(mm)	28.23(717)	28.23(717)	28.82(732)	28.82(732)
Lm	inch(mm)	28.46(723)	30.00(762)	32.44(824)	32.44(824)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	21.26(540)	21.26(540)	21.26(540)	21.26(540)
b3	inch(mm)	18.70(475)	18.70(475)	18.70(475)	18.70(475)
L1	inch(mm)	42.68(1084)	44.02(1118)	46.54(1182)	46.54(1182)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	18.39(467)	19.06(484)	20.31(516)	20.31(516)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1097(499)	1137(517)	1274(579)	1329(604)
Gross Weight	lbs(kg)	1359(618)	1406(639)	1547(703)	1602(728)
Volume	ft³(m³)	45.53(1.290)	46.61(1.320)	48.32(1.368)	48.32(1.368)

4 POLE

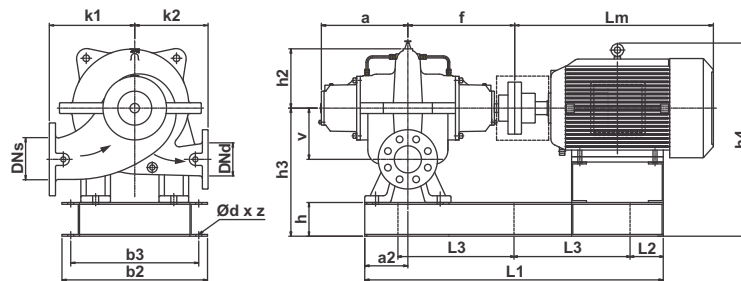
# Performance curves

# THSC 100-400 4-pole

## Horizontal split case pumps



4 POLE



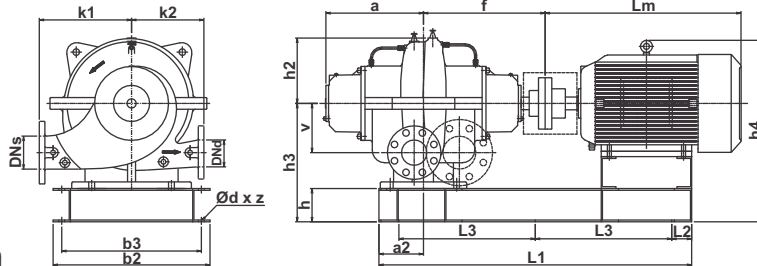
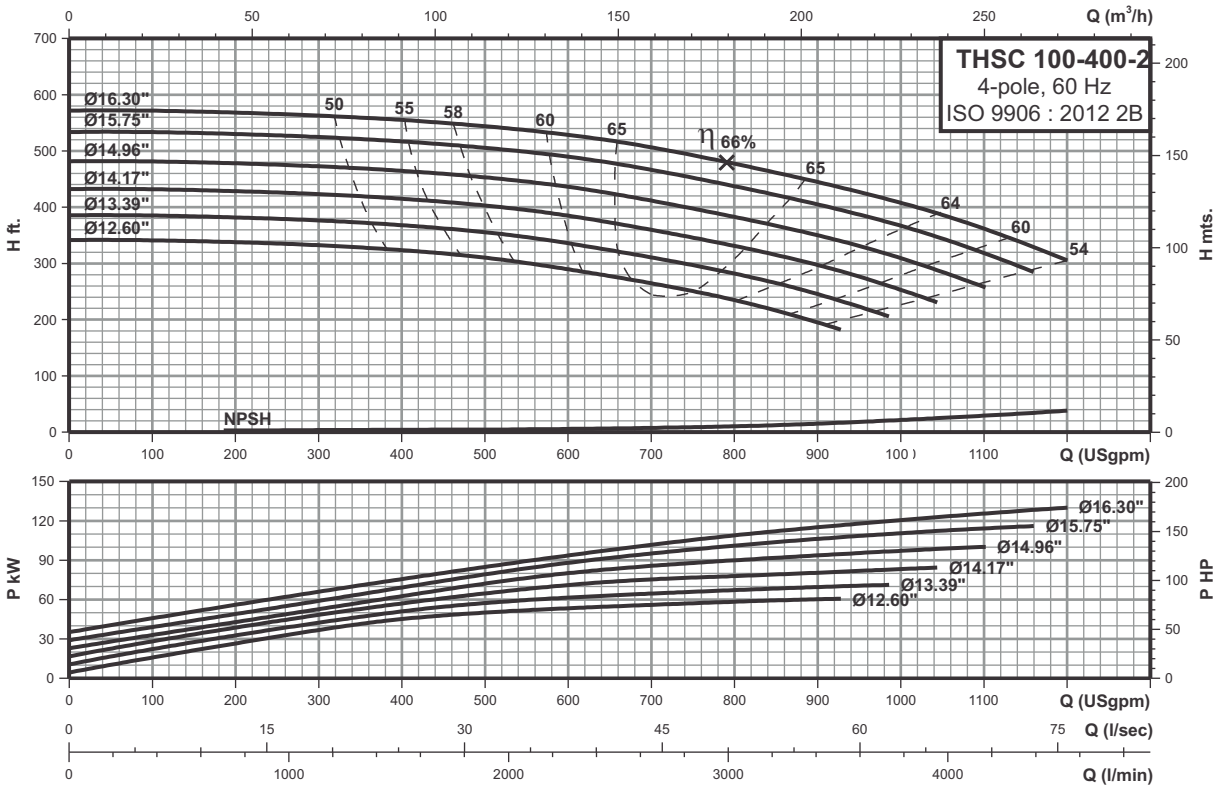
## Technical data

Power	(hp)	40	50	60	75
	(kw)	30	37	45	55
Frame		324T	326T	364T	365T
ANSI flange		125	125	125	250
DNs	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
DNd	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
a	inch(mm)	13.15(334)	13.15(334)	13.15(334)	13.15(334)
a2	inch(mm)	6.30(160)	6.30(160)	6.30(160)	6.30(160)
f	inch(mm)	17.17(436)	17.17(436)	17.17(436)	17.17(436)
k1	inch(mm)	14.76(375)	14.76(375)	14.76(375)	14.76(375)
k2	inch(mm)	12.80(325)	12.80(325)	12.80(325)	12.80(325)
v	inch(mm)	8.27(210)	8.27(210)	8.27(210)	8.27(210)
h2	inch(mm)	10.24(260)	10.24(260)	10.24(260)	10.24(260)
h3	inch(mm)	19.29(490)	19.29(490)	19.29(490)	19.29(490)
h4	inch(mm)	29.41(747)	29.41(747)	30.47(774)	30.47(774)
Lm	inch(mm)	32.44(824)	32.44(824)	33.62(854)	34.61(879)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	24.80(630)	24.80(630)	24.80(630)	24.80(630)
b3	inch(mm)	22.24(565)	22.24(565)	22.24(565)	22.24(565)
L1	inch(mm)	47.72(1212)	47.72(1212)	48.43(1230)	49.37(1254)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	20.91(531)	20.91(531)	21.26(540)	21.73(552)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1377(626)	1432(651)	1553(706)	1663(756)
Gross Weight	lbs(kg)	1692(769)	1747(794)	1872(851)	1984(902)
Volume	ft³(m³)	59.31(1.680)	59.31(1.680)	60.30(1.708)	61.13(1.731)

# Performance curves

# THSC 100-400-2 4-pole

## Horizontal split case pumps



## Technical data

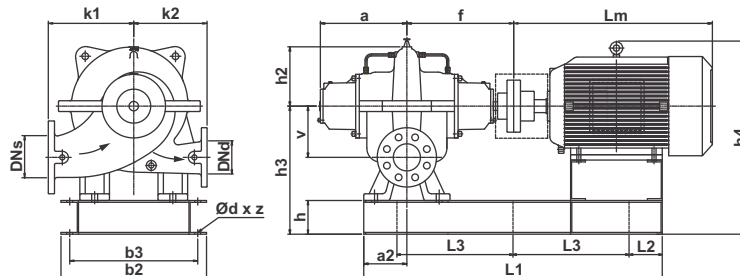
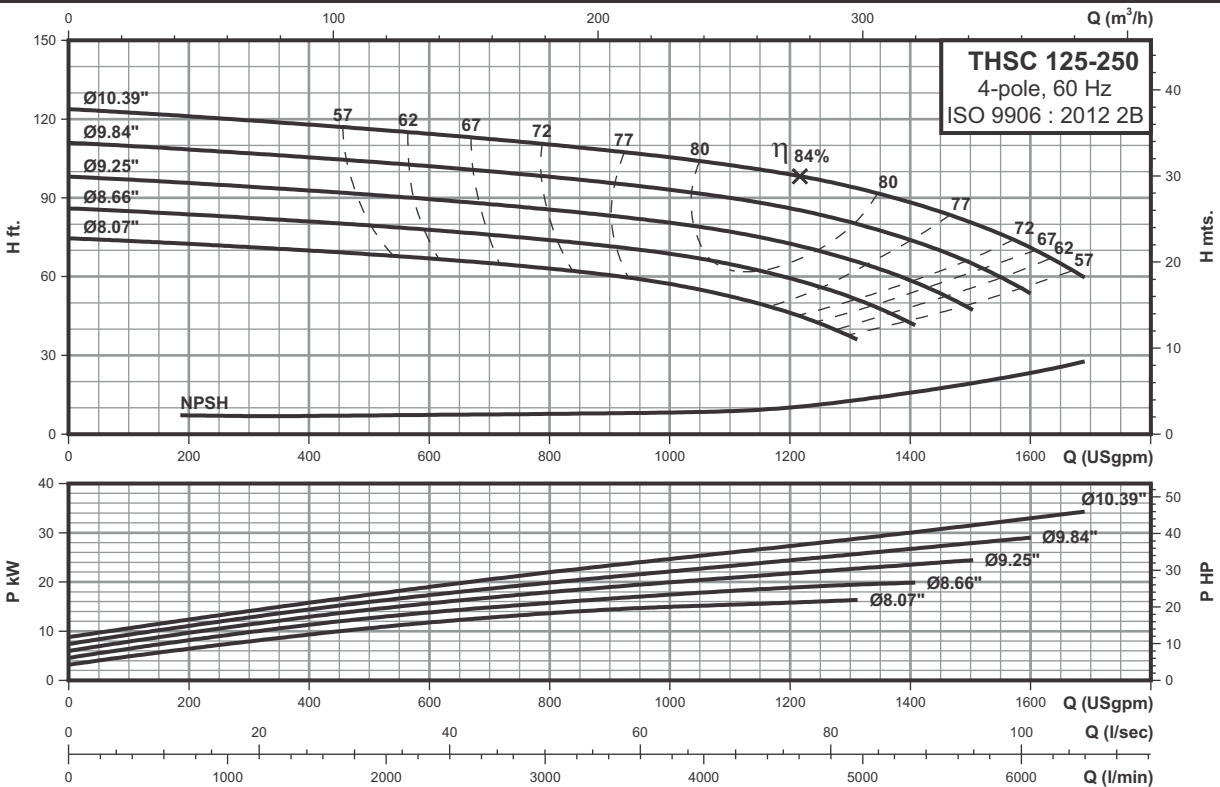
Power	(hp)	100	125	150	200
	(kw)	75	90	110	150
Frame		405T	444T	445T	505T
ANSI flange		250	250	250	250
DNs	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
DNd	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
a	inch(mm)	15.31(389)	15.31(389)	15.31(389)	15.31(389)
a2	inch(mm)	6.38(162)	6.38(162)	6.38(162)	6.38(162)
f	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
k1	inch(mm)	15.94(405)	15.94(405)	15.94(405)	15.94(405)
k2	inch(mm)	12.80(325)	12.80(325)	12.80(325)	12.80(325)
v	inch(mm)	8.86(225)	8.86(225)	8.86(225)	8.86(225)
h2	inch(mm)	11.10(282)	11.10(282)	11.10(282)	11.10(282)
h3	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
h4	inch(mm)	32.20(818)	33.66(855)	33.66(855)	34.84(885)
Lm	inch(mm)	38.70(983)	39.29(998)	43.07(1094)	50.83(1291)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.97(685)	26.97(685)	26.97(685)	29.65(753)
b3	inch(mm)	24.61(625)	24.61(625)	24.61(625)	27.05(687)
L1	inch(mm)	55.24(1403)	56.30(1430)	60.08(1526)	67.01(1702)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	5.12(130)
L3	inch(mm)	24.69(627)	25.20(640)	27.09(688)	28.39(721)
$\varnothing d \times z$		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2301(1046)	2647(1203)	3025(1375)	3214(1461)
Gross Weight	lbs(kg)	2583(1174)	2928(1331)	3340(1518)	3529(1604)
Volume	ft <sup>3</sup> (m <sup>3</sup> )	68.32(1.936)	68.32(1.936)	80.31(2.276)	80.31(2.276)

4 POLE

# Performance curves

# THSC 125-250 4-pole

## Horizontal split case pumps



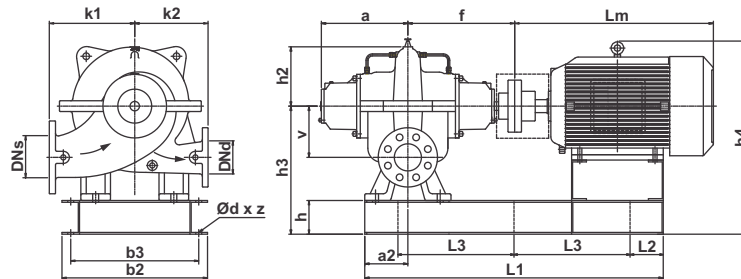
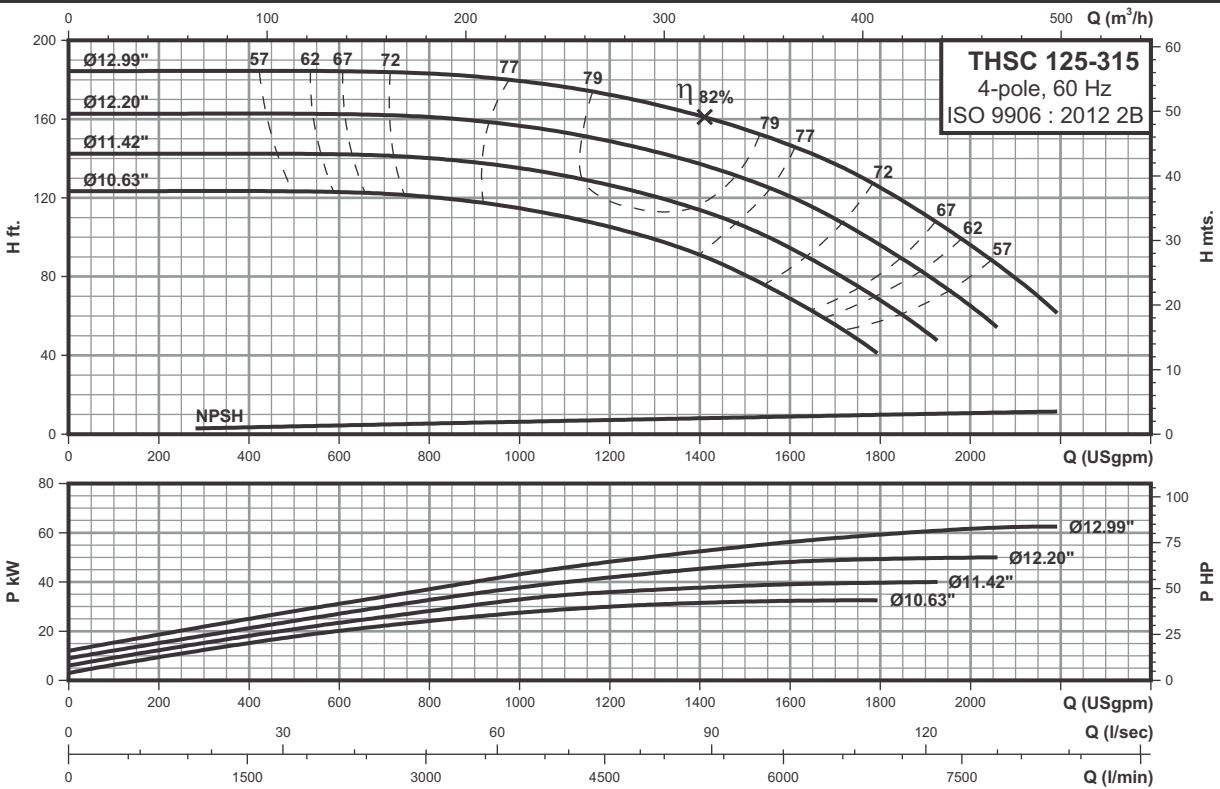
## Technical data

Power	(hp)	20	25	30	40	50
	(kw)	15	18.5	22	30	37
Frame		256T	284T	286T	324T	326T
ANSI flange		125	125	125	125	125
DNs	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	13.07(332)	13.07(332)	13.07(332)	13.07(332)	13.07(332)
a2	inch(mm)	6.93(176)	6.93(176)	6.93(176)	6.93(176)	6.93(176)
f	inch(mm)	16.30(414)	16.30(414)	16.30(414)	16.30(414)	16.30(414)
k1	inch(mm)	13.19(335)	13.19(335)	13.19(335)	13.19(335)	13.19(335)
k2	inch(mm)	10.83(275)	10.83(275)	10.83(275)	10.83(275)	10.83(275)
v	inch(mm)	7.09(180)	7.09(180)	7.09(180)	7.09(180)	7.09(180)
h2	inch(mm)	8.43(214)	8.43(214)	8.43(214)	8.43(214)	8.43(214)
h3	inch(mm)	19.09(485)	19.09(485)	19.09(485)	19.09(485)	19.09(485)
h4	inch(mm)	27.83(707)	28.62(727)	28.62(727)	29.21(742)	29.21(742)
Lm	inch(mm)	25.00(635)	28.46(723)	30.00(762)	32.44(824)	32.44(824)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	21.26(540)	21.26(540)	21.26(540)	21.26(540)	21.26(540)
b3	inch(mm)	18.70(475)	18.70(475)	18.70(475)	18.70(475)	18.70(475)
L1	inch(mm)	42.60(1082)	43.62(1108)	44.96(1142)	47.48(1206)	47.48(1206)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	18.35(466)	18.86(479)	19.53(496)	20.79(528)	20.79(528)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	914(415)	1088(495)	1129(513)	1265(575)	1320(600)
Gross Weight	lbs(kg)	1173(533)	1359(618)	1401(637)	1547(703)	1602(728)
Volume	ft³(m³)	44.66(1.265)	47.14(1.335)	48.24(1.366)	49.99(1.416)	49.99(1.416)

# Performance curves

# THSC 125-315 4-pole

## Horizontal split case pumps



## Technical data

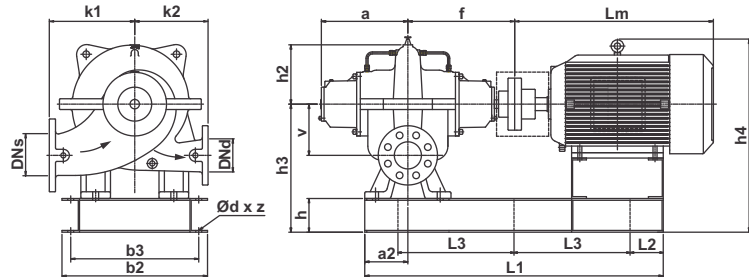
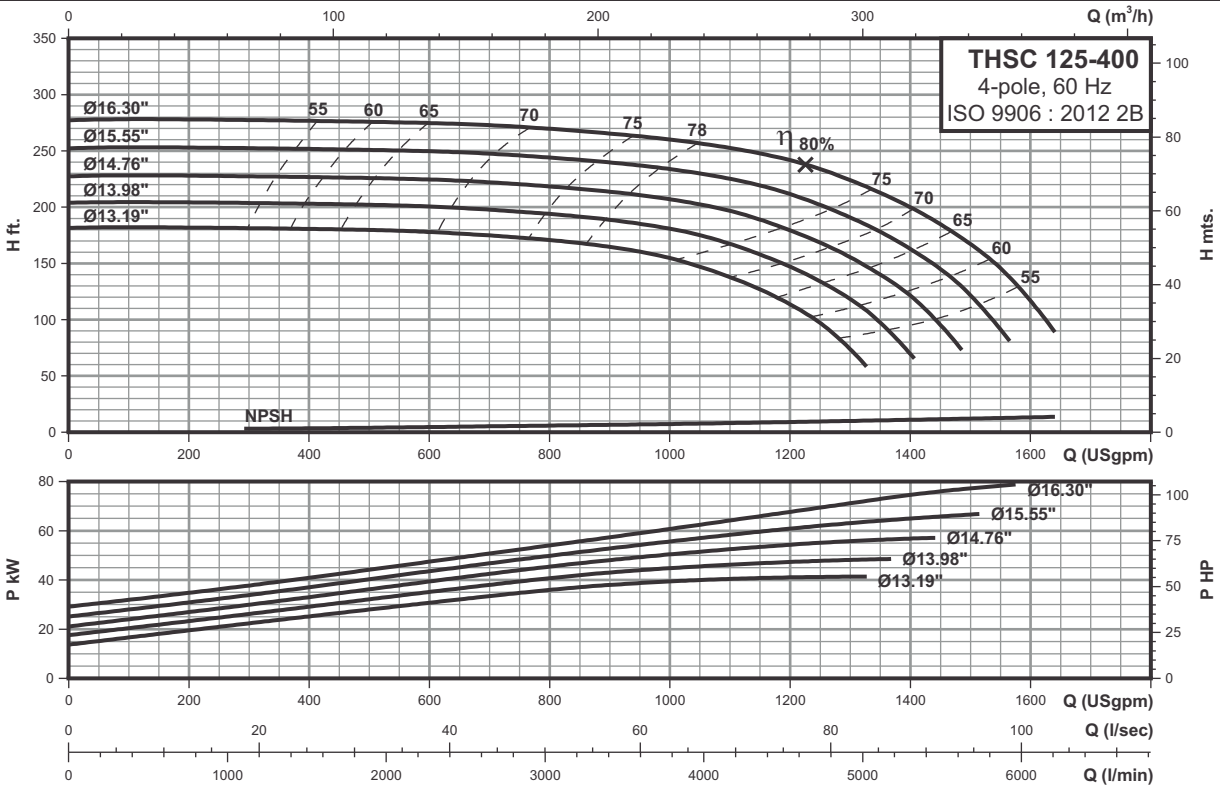
Power	(hp)	50	60	75	100
	(kw)	37	45	55	75
Frame		326T	364T	365T	405T
ANSI flange		125	125	125	125
DNs	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	13.11(333)	13.11(333)	13.11(333)	13.11(333)
a2	inch(mm)	6.89(175)	6.89(175)	6.89(175)	6.89(175)
f	inch(mm)	17.17(436)	17.17(436)	17.17(436)	17.17(436)
k1	inch(mm)	13.78(350)	13.78(350)	13.78(350)	13.78(350)
k2	inch(mm)	11.81(300)	11.81(300)	11.81(300)	11.81(300)
v	inch(mm)	7.68(195)	7.68(195)	7.68(195)	7.68(195)
h2	inch(mm)	9.61(244)	9.61(244)	9.61(244)	9.61(244)
h3	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
h4	inch(mm)	29.80(757)	30.87(784)	30.87(784)	32.17(817)
Lm	inch(mm)	32.44(824)	33.62(854)	34.61(879)	38.70(983)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	22.83(580)	22.83(580)	22.83(580)	22.83(580)
b3	inch(mm)	20.28(515)	20.28(515)	20.28(515)	20.28(515)
L1	inch(mm)	48.35(1228)	48.98(1244)	50.00(1270)	53.54(1360)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	21.22(539)	21.54(547)	22.05(560)	23.82(605)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1393(633)	1516(689)	1626(739)	2042(928)
Gross Weight	lbs(kg)	1698(772)	1824(829)	1936(880)	2363(1074)
Volume	ft³(m³)	55.57(1.574)	56.50(1.600)	57.28(1.622)	60.50(1.713)

4 POLE

# Performance curves

# THSC 125-400 4-pole

## Horizontal split case pumps



## Technical data

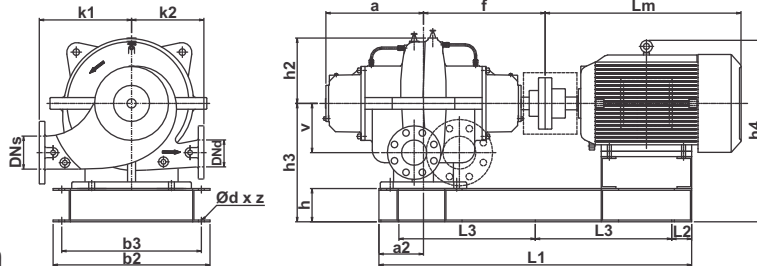
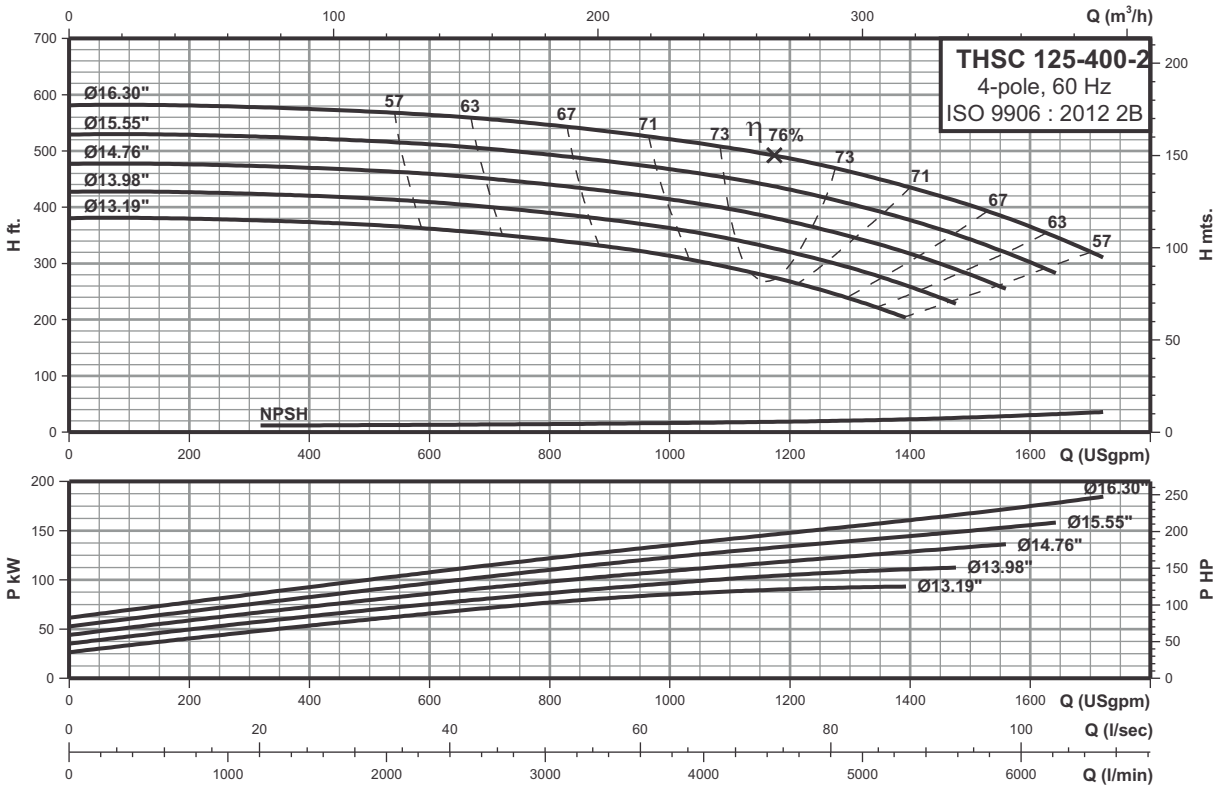
Power	(hp)	60	75	100	125
	(kw)	45	55	75	90
Frame		364T	365T	405T	444T
ANSI flange		125	125	125	125
DNs	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	13.11(333)	13.11(333)	13.11(333)	13.11(333)
a2	inch(mm)	7.28(185)	7.28(185)	7.28(185)	7.28(185)
f	inch(mm)	17.17(436)	17.17(436)	17.17(436)	17.17(436)
k1	inch(mm)	15.78(400)	15.78(400)	15.78(400)	15.78(400)
k2	inch(mm)	13.78(350)	13.78(350)	13.78(350)	13.78(350)
v	inch(mm)	8.27(210)	8.27(210)	8.27(210)	8.27(210)
h2	inch(mm)	10.71(272)	10.71(272)	10.71(272)	10.71(272)
h3	inch(mm)	20.28(515)	20.28(515)	20.28(515)	20.28(515)
h4	inch(mm)	31.50(800)	31.50(800)	32.76(832)	34.25(870)
Lm	inch(mm)	33.62(854)	34.61(879)	38.70(983)	39.29(998)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.38(670)	26.38(670)	26.38(670)	26.38(670)
b3	inch(mm)	23.82(605)	23.82(605)	23.82(605)	23.82(605)
L1	inch(mm)	49.37(1254)	50.39(1280)	53.94(1370)	55.35(1406)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	21.73(552)	22.24(565)	24.02(610)	24.72(628)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1681(764)	1795(816)	2211(1005)	2570(1168)
Gross Weight	lbs(kg)	2015(916)	2134(970)	2561(1164)	2924(1329)
Volume	ft³(m³)	65.91(1.867)	66.82(1.892)	70.58(1.999)	71.12(2.014)

4 POLE

# Performance curves

# THSC 125-400-2 4-pole

## Horizontal split case pumps



## Technical data

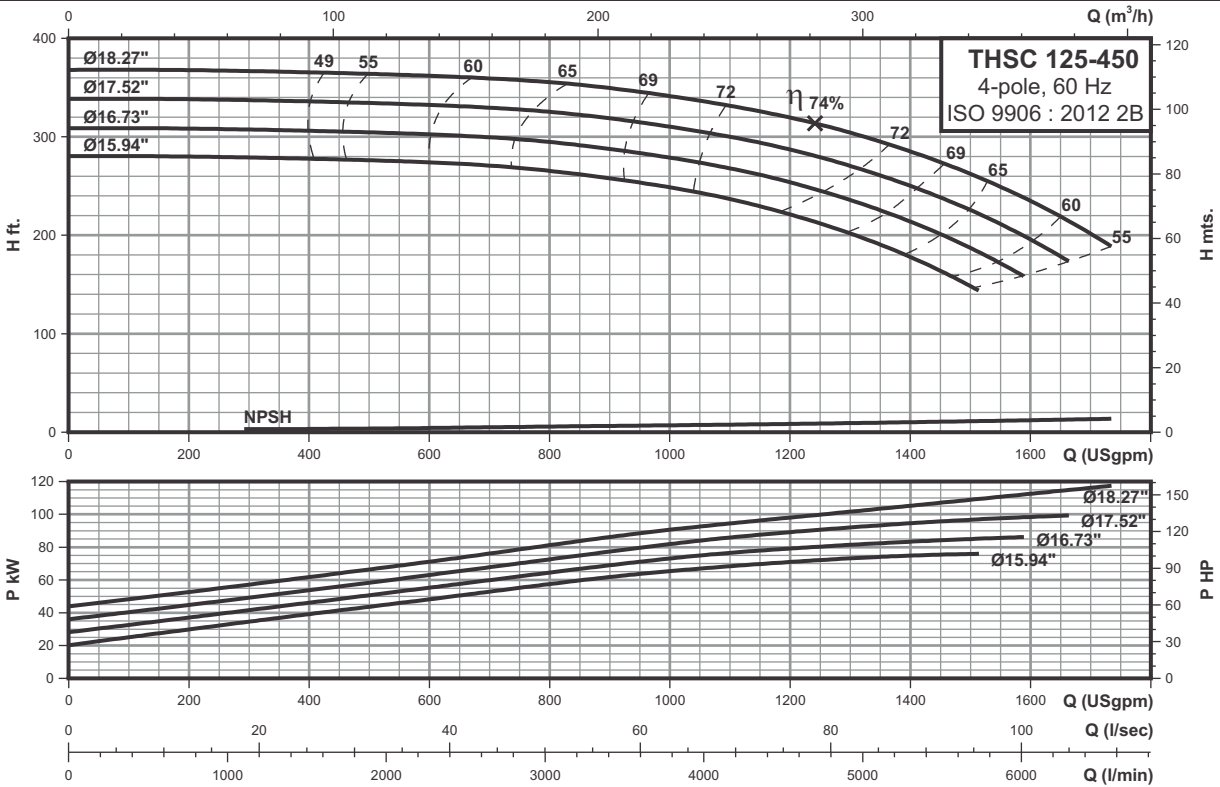
Power	(hp)	150	200	250
	(kw)	110	150	185
Frame		445T	505T	505T
ANSI flange		250	250	250
DNs	inch(mm)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	16.46(418)	16.46(418)	16.46(418)
a2	inch(mm)	6.89(175)	6.89(175)	6.89(175)
f	inch(mm)	20.67(525)	20.67(525)	20.67(525)
k1	inch(mm)	18.90(480)	18.90(480)	18.90(480)
k2	inch(mm)	13.19(335)	13.19(335)	13.19(335)
v	inch(mm)	8.46(215)	8.46(215)	8.46(215)
h2	inch(mm)	11.69(297)	11.69(297)	11.69(297)
h3	inch(mm)	19.88(505)	19.88(505)	19.88(505)
h4	inch(mm)	33.86(860)	37.68(957)	37.68(957)
Lm	inch(mm)	43.07(1094)	50.83(1291)	50.83(1291)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.97(685)	26.97(685)	26.97(685)
b3	inch(mm)	24.41(620)	24.41(620)	24.41(620)
L1	inch(mm)	61.50(1562)	66.30(1684)	66.30(1684)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	27.80(706)	30.20(767)	30.20(767)
Ød x z		22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	3210(1459)	3410(1550)	3617(1644)
Gross Weight	lbs(kg)	3694(1679)	3909(1777)	4116(1871)
Volume	ft³(m³)	102.970(2.917)	108.371(3.07)	108.371(3.07)

4 POLE

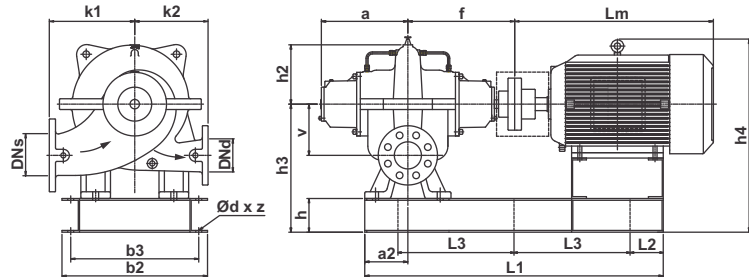
# Performance curves

# THSC 125-450 4-pole

## Horizontal split case pumps



4 POLE



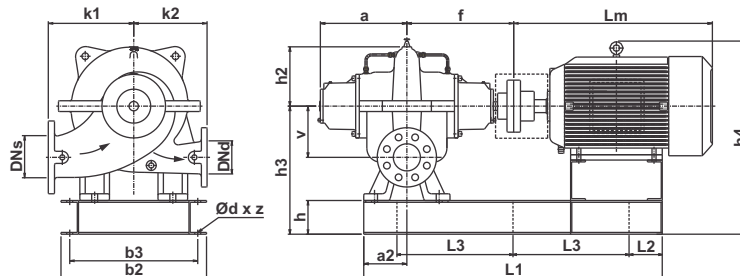
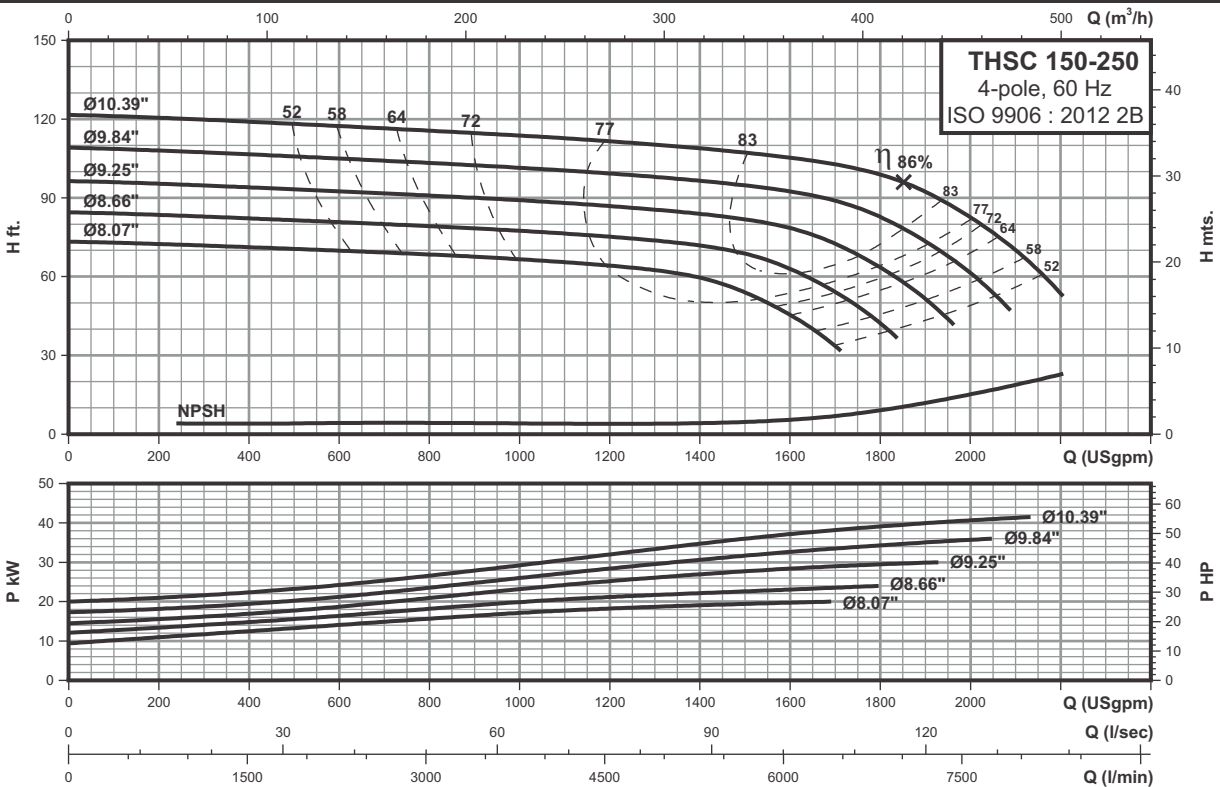
### Technical data

Power	(hp)	100	125	150
	(kw)	75	90	110
Frame		405T	444T	445T
ANSI flange		125	250	250
DNs	inch(mm)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	13.66(347)	13.66(347)	13.66(347)
a2	inch(mm)	7.28(185)	7.28(185)	7.28(185)
f	inch(mm)	18.03(458)	18.03(458)	18.03(458)
k1	inch(mm)	15.75(400)	15.75(400)	15.75(400)
k2	inch(mm)	14.76(375)	14.76(375)	14.76(375)
v	inch(mm)	9.06(230)	9.06(230)	9.06(230)
h2	inch(mm)	11.18(284)	11.18(284)	11.18(284)
h3	inch(mm)	21.06(535)	21.06(535)	21.06(535)
h4	inch(mm)	33.54(852)	35.04(890)	35.04(890)
Lm	inch(mm)	38.70(983)	39.29(998)	43.07(1094)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.77(680)	26.77(680)	26.77(680)
b3	inch(mm)	24.21(615)	24.21(615)	24.21(615)
L1	inch(mm)	54.80(1392)	55.83(1418)	59.69(1516)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	24.45(621)	24.96(634)	26.89(683)
Ød x z		22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2242(1019)	2603(1183)	2981(1355)
Gross Weight	lbs(kg)	2607(1185)	2970(1350)	3362(1528)
Volume	ft³(m³)	75.96(2.151)	76.53(2.167)	80.20(2.271)

# Performance curves

# THSC 150-250 4-pole

## Horizontal split case pumps



## Technical data

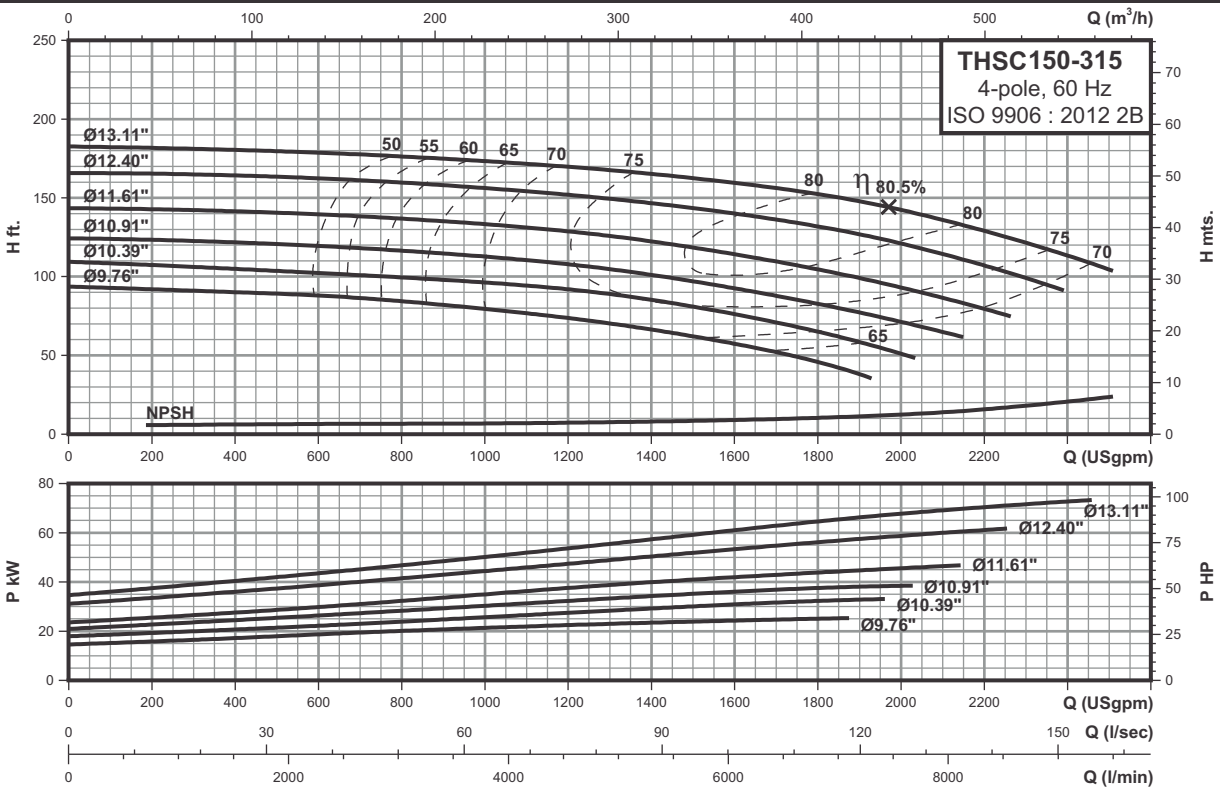
		Power				
		(hp)	30	40	50	60
		(kw)	22	30	37	45
Frame			286T	324T	326T	364T
ANSI flange			125	125	125	125
DNs	inch(mm)		8.00(200)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)		6.00(150)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)		13.82(351)	13.82(351)	13.82(351)	13.82(351)
a2	inch(mm)		7.28(185)	7.28(185)	7.28(185)	7.28(185)
f	inch(mm)		17.83(453)	17.83(453)	17.83(453)	17.83(453)
k1	inch(mm)		15.16(385)	15.16(385)	15.16(385)	15.16(385)
k2	inch(mm)		12.80(325)	12.80(325)	12.80(325)	12.80(325)
v	inch(mm)		7.48(190)	7.48(190)	7.48(190)	7.48(190)
h2	inch(mm)		9.17(233)	9.17(233)	9.17(233)	9.17(233)
h3	inch(mm)		20.28(515)	20.28(515)	20.28(515)	20.28(515)
h4	inch(mm)		29.80(757)	30.39(772)	30.39(772)	31.50(800)
Lm	inch(mm)		30.00(762)	32.44(824)	32.44(824)	33.62(854)
h	inch(mm)		4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)		24.21(615)	24.21(615)	24.21(615)	24.21(615)
b3	inch(mm)		21.65(550)	21.65(550)	21.65(550)	21.65(550)
L1	inch(mm)		46.93(1192)	49.45(1256)	49.45(1256)	50.08(1272)
L2	inch(mm)		2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)		20.51(521)	21.77(553)	21.77(553)	22.09(561)
Ød x z			22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)		1313(597)	1448(658)	1503(683)	1624(738)
Gross Weight	lbs(kg)		1626(739)	1767(803)	1822(828)	1945(884)
Volume	ft³(m³)		58.94(1.669)	61.01(1.728)	61.01(1.728)	62.01(1.756)

4 POLE

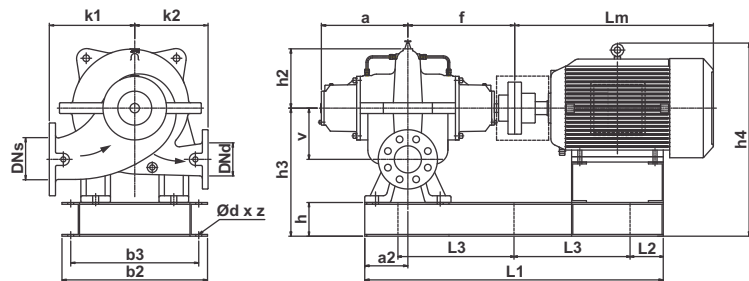
# Performance curves

# THSC 150-315 4-pole

## Horizontal split case pumps



4 POLE



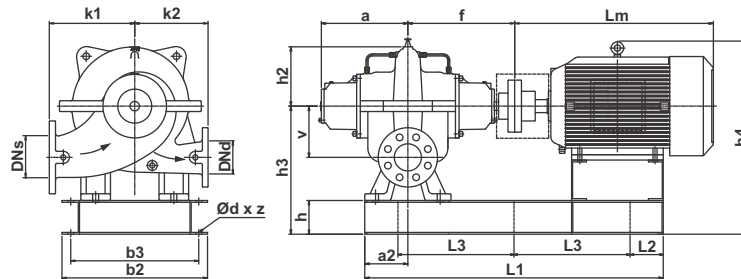
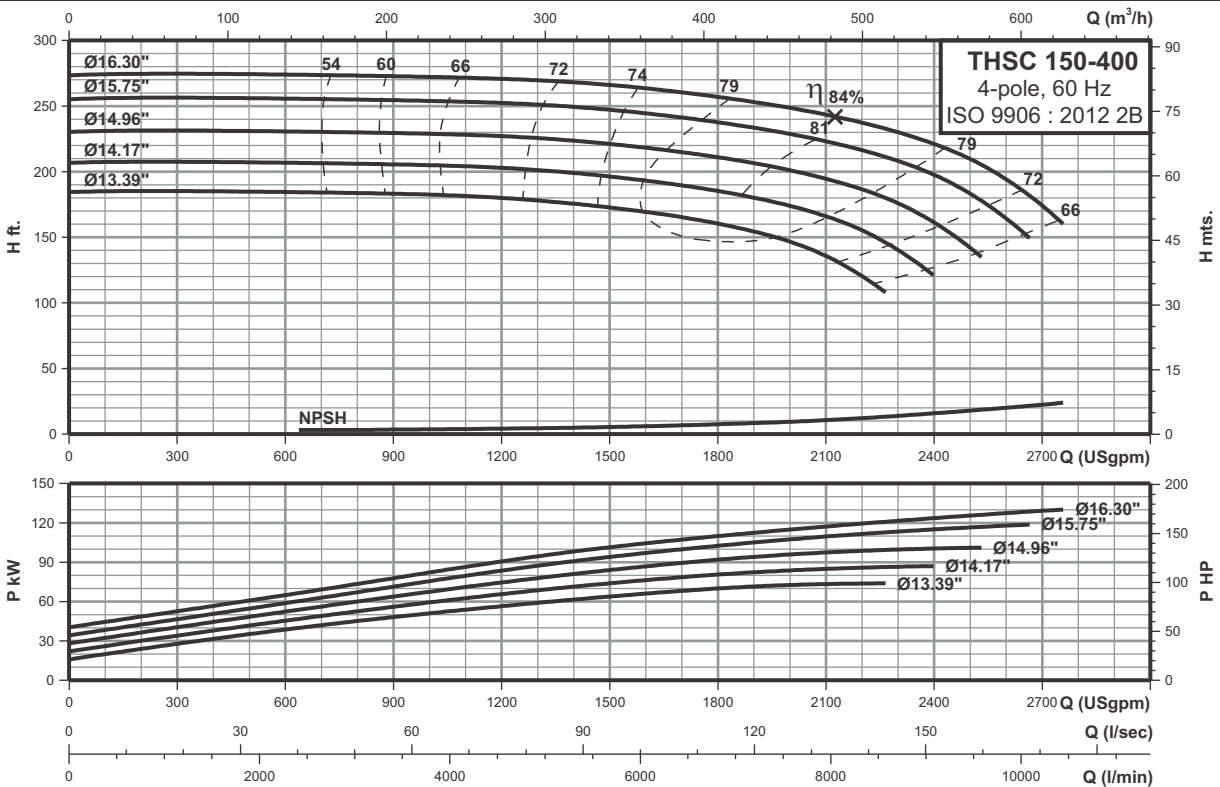
### Technical data

Power	(hp)	40	50	60	75	100
	(kw)	30	37	45	55	75
Frame		324T	326T	364T	365T	405T
ANSI flange		125	125	125	125	125
DNs	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	13.86(352)	13.86(352)	13.86(352)	13.86(352)	13.86(352)
a2	inch(mm)	7.60(193)	7.60(193)	7.60(193)	7.60(193)	7.60(193)
f	inch(mm)	17.91(455)	17.91(455)	17.91(455)	17.91(455)	17.91(455)
k1	inch(mm)	15.75(400)	15.75(400)	15.75(400)	15.75(400)	15.75(400)
k2	inch(mm)	12.20(310)	12.20(310)	12.20(310)	12.20(310)	12.20(310)
v	inch(mm)	7.09(180)	7.09(180)	7.09(180)	7.09(180)	7.09(180)
h2	inch(mm)	10.16(258)	10.16(258)	10.16(258)	10.16(258)	10.16(258)
h3	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
h4	inch(mm)	29.76(756)	29.76(756)	30.87(784)	30.87(784)	32.17(817)
Lm	inch(mm)	32.44(824)	32.44(824)	33.62(854)	34.61(879)	38.70(983)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	24.21(615)	24.21(615)	24.21(615)	24.21(615)	24.21(615)
b3	inch(mm)	21.65(550)	21.65(550)	21.65(550)	21.65(550)	21.65(550)
L1	inch(mm)	49.76(1264)	49.76(1264)	50.39(1280)	51.42(1306)	54.96(1396)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	21.93(557)	21.93(557)	22.24(565)	22.76(578)	24.53(623)
$\varnothing$ d x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1540(700)	1595(725)	1714(779)	1824(829)	2240(1018)
Gross Weight	lbs(kg)	1863(847)	1918(872)	2042(928)	2154(979)	2585(1175)
Volume	ft³(m³)	61.68(1.747)	61.68(1.747)	62.69(1.775)	63.53(1.799)	67.04(1.899)

# Performance curves

# THSC 150-400 4-pole

## Horizontal split case pumps



## Technical data

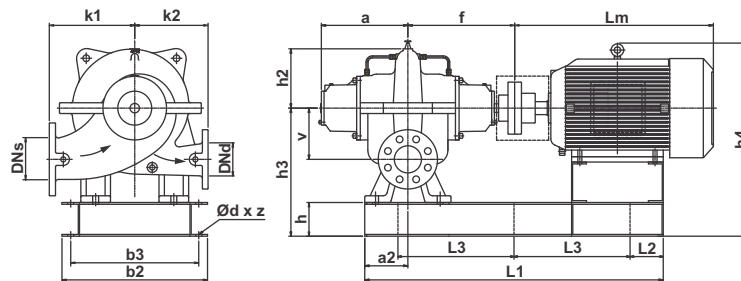
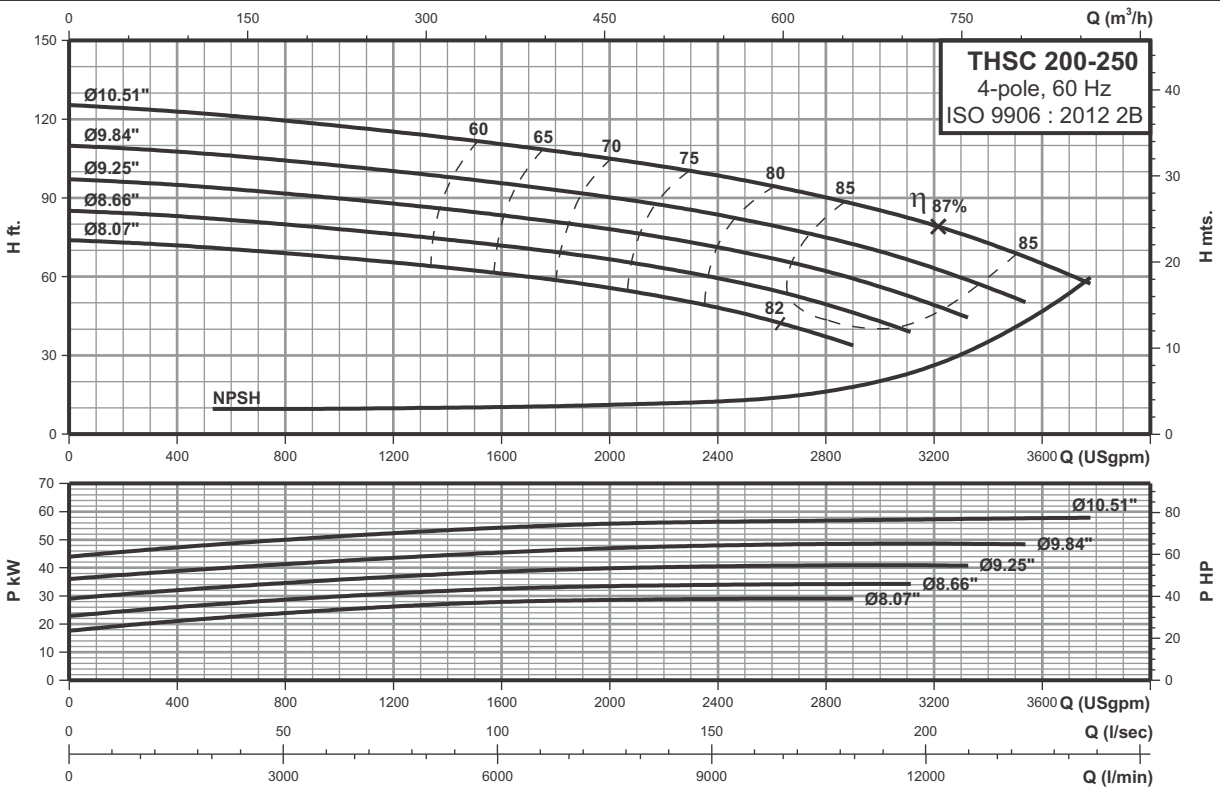
Power	(hp)	100	125	150	200
	(kw)	75	90	110	150
Frame		405T	444T	445T	505T
ANSI flange		125	125	125	125
DNs	inch(mm)	8.00(200)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	6.00(150)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	14.72(374)	14.72(374)	14.72(374)	14.72(374)
a2	inch(mm)	7.68(195)	7.68(195)	7.68(195)	7.68(195)
f	inch(mm)	19.09(485)	19.09(485)	19.09(485)	19.09(485)
k1	inch(mm)	16.73(425)	16.73(425)	16.73(425)	16.73(425)
k2	inch(mm)	13.78(350)	13.78(350)	13.78(350)	13.78(350)
v	inch(mm)	8.27(210)	8.27(210)	8.27(210)	8.27(210)
h2	inch(mm)	11.50(292)	11.50(292)	11.50(292)	11.50(292)
h3	inch(mm)	21.06(535)	21.06(535)	21.06(535)	21.06(535)
h4	inch(mm)	33.54(852)	35.04(890)	35.04(890)	30.20(767)
Lm	inch(mm)	38.70(983)	39.29(998)	43.07(1094)	50.83(1291)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	25.98(660)	25.98(660)	25.98(660)	25.98(660)
b3	inch(mm)	23.43(595)	23.43(595)	23.43(595)	23.43(595)
L1	inch(mm)	56.22(1428)	57.24(1454)	61.10(1552)	65.83(1672)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	25.16(639)	25.67(652)	27.60(701)	29.96(761)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2240(1018)	2598(1181)	2977(1353)	3166(1439)
Gross Weight	lbs(kg)	2614(1188)	2972(1351)	3364(1529)	3579(1627)
Volume	ft³(m³)	78.57(2.225)	79.14(2.241)	82.84(2.346)	90.42(2.561)

4 POLE

# Performance curves

# THSC 200-250 4-pole

## Horizontal split case pumps



## Technical data

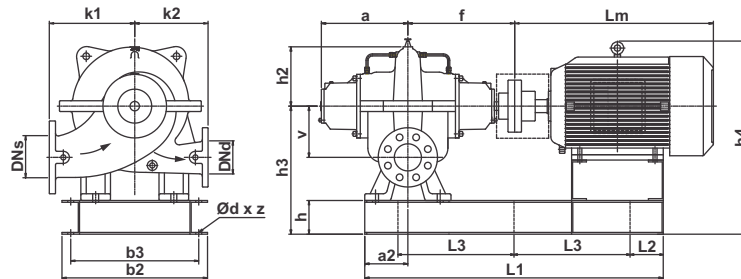
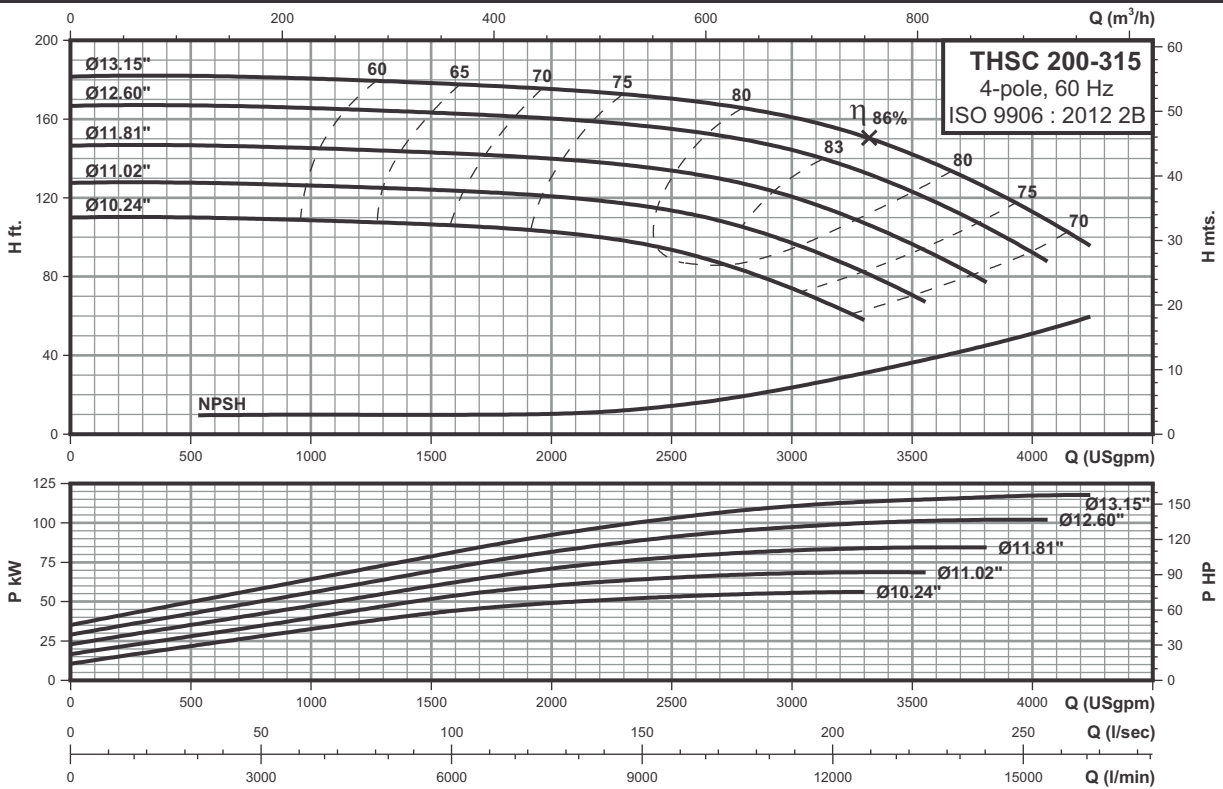
Power	(hp)	40	50	60	75	100
	(kw)	30	37	45	55	75
Frame		324T	326T	364T	365T	405T
ANSI flange		125	125	125	125	125
DNs	inch(mm)	10.00(250)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	8.00(200)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	15.71(399)	15.71(399)	15.71(399)	15.71(399)	15.71(399)
a2	inch(mm)	9.84(250)	9.84(250)	9.84(250)	9.84(250)	9.84(250)
f	inch(mm)	19.76(502)	19.76(502)	19.76(502)	19.76(502)	19.76(502)
k1	inch(mm)	17.72(450)	17.72(450)	17.72(450)	17.72(450)	17.72(450)
k2	inch(mm)	12.80(325)	12.80(325)	12.80(325)	12.80(325)	12.80(325)
v	inch(mm)	11.02(280)	11.02(280)	11.02(280)	11.02(280)	11.02(280)
h2	inch(mm)	11.06(281)	11.06(281)	11.06(281)	11.06(281)	11.06(281)
h3	inch(mm)	25.59(650)	25.59(650)	25.59(650)	25.59(650)	25.59(650)
h4	inch(mm)	35.71(907)	35.71(907)	36.77(934)	36.77(934)	38.07(967)
Lm	inch(mm)	32.44(824)	32.44(824)	33.62(854)	34.61(879)	38.70(983)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	25.00(635)	25.00(635)	25.00(635)	25.00(635)	25.00(635)
b3	inch(mm)	22.44(570)	22.44(570)	22.44(570)	22.44(570)	22.44(570)
L1	inch(mm)	53.86(1368)	53.86(1368)	54.57(1386)	55.51(1410)	59.06(1500)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	23.98(609)	23.98(609)	24.33(618)	24.80(630)	26.57(675)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1786(812)	1841(837)	1962(892)	2075(943)	2490(1132)
Gross Weight	lbs(kg)	2167(985)	2222(1010)	2345(1066)	2462(1119)	2891(1314)
Volume	ft³(m³)	80.78(2.288)	80.78(2.288)	82.04(2.323)	83.09(2.353)	87.45(2.477)

4 POLE

# Performance curves

# THSC 200-315 4-pole

## Horizontal split case pumps



## Technical data

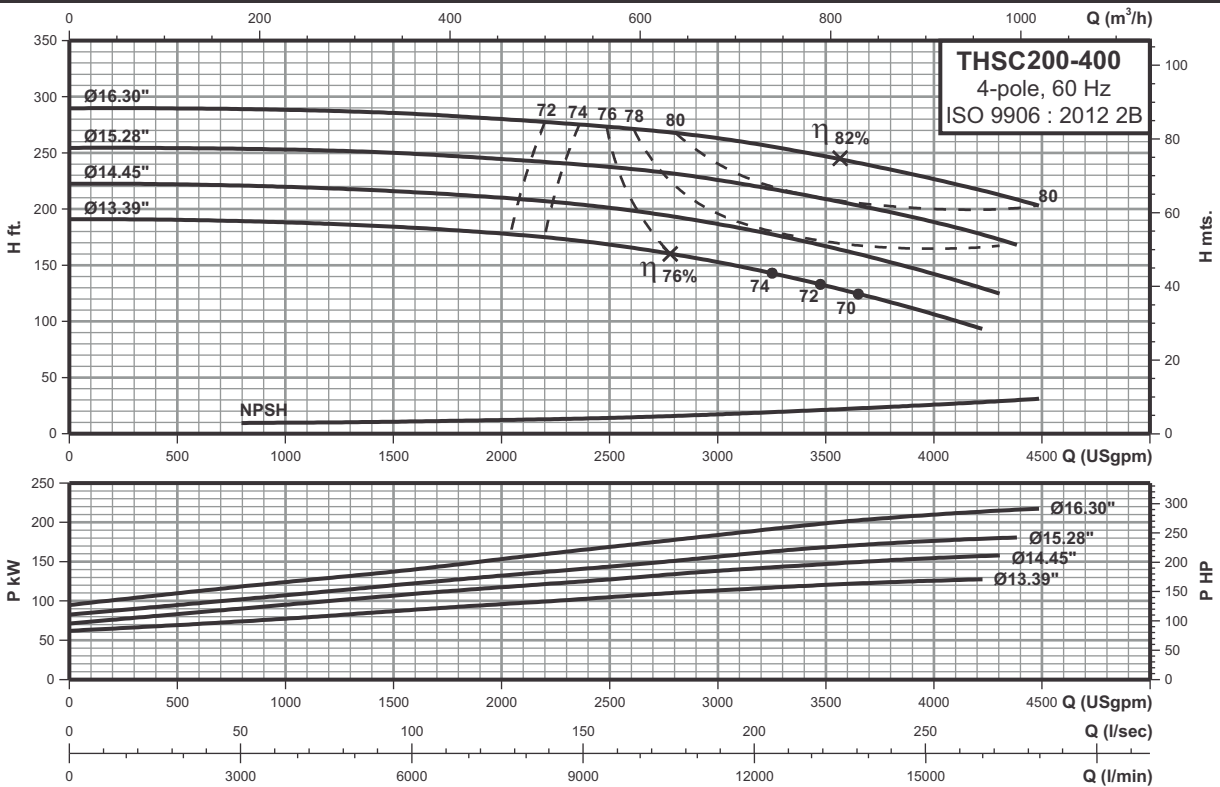
		75	100	125	150
		(hp)	(kw)	(hp)	(kw)
Power		55	75	90	110
Frame		365T	405T	444T	445T
ANSI flange		125	125	125	125
DNs	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
DNd	inch(mm)	8.00(200)	8.00(200)	8.00(200)	8.00(200)
a	inch(mm)	15.94(405)	15.94(405)	15.94(405)	15.94(405)
a2	inch(mm)	9.06(230)	9.06(230)	9.06(230)	9.06(230)
f	inch(mm)	20.31(516)	20.31(516)	20.31(516)	20.31(516)
k1	inch(mm)	17.72(450)	17.72(450)	17.72(450)	17.72(450)
k2	inch(mm)	14.76(375)	14.76(375)	14.76(375)	14.76(375)
v	inch(mm)	9.25(235)	9.25(235)	9.25(235)	9.25(235)
h2	inch(mm)	11.30(287)	11.30(287)	11.30(287)	11.30(287)
h3	inch(mm)	23.23(590)	23.23(590)	23.23(590)	23.23(590)
h4	inch(mm)	34.41(874)	35.71(907)	37.20(945)	37.20(945)
Lm	inch(mm)	34.61(879)	38.70(983)	39.29(998)	43.07(1094)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	27.95(710)	27.95(710)	27.95(710)	27.95(710)
b3	inch(mm)	25.39(645)	25.39(645)	25.39(645)	25.39(645)
L1	inch(mm)	55.28(1404)	58.90(1496)	59.92(1522)	63.70(1618)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	24.69(627)	26.50(673)	27.01(686)	28.90(734)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2075(943)	2484(1129)	2847(1294)	3225(1466)
Gross Weight	lbs(kg)	2466(1121)	2889(1313)	3256(1480)	3643(1656)
Volume	ft³(m³)	84.53(2.394)	88.93(2.518)	89.56(2.536)	93.62(2.651)

4 POLE

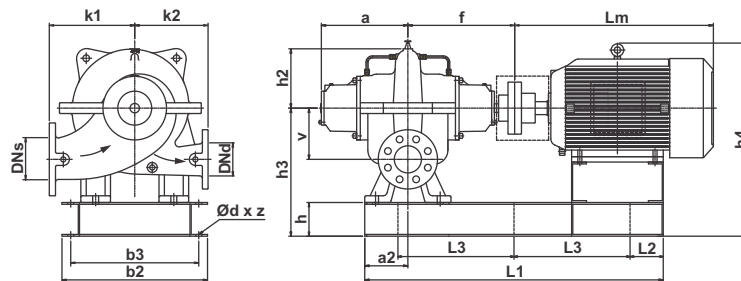
# Performance curves

# THSC 200-400 4-pole

## Horizontal split case pumps



4 POLE



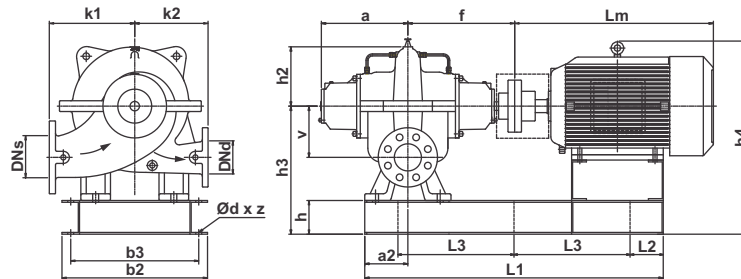
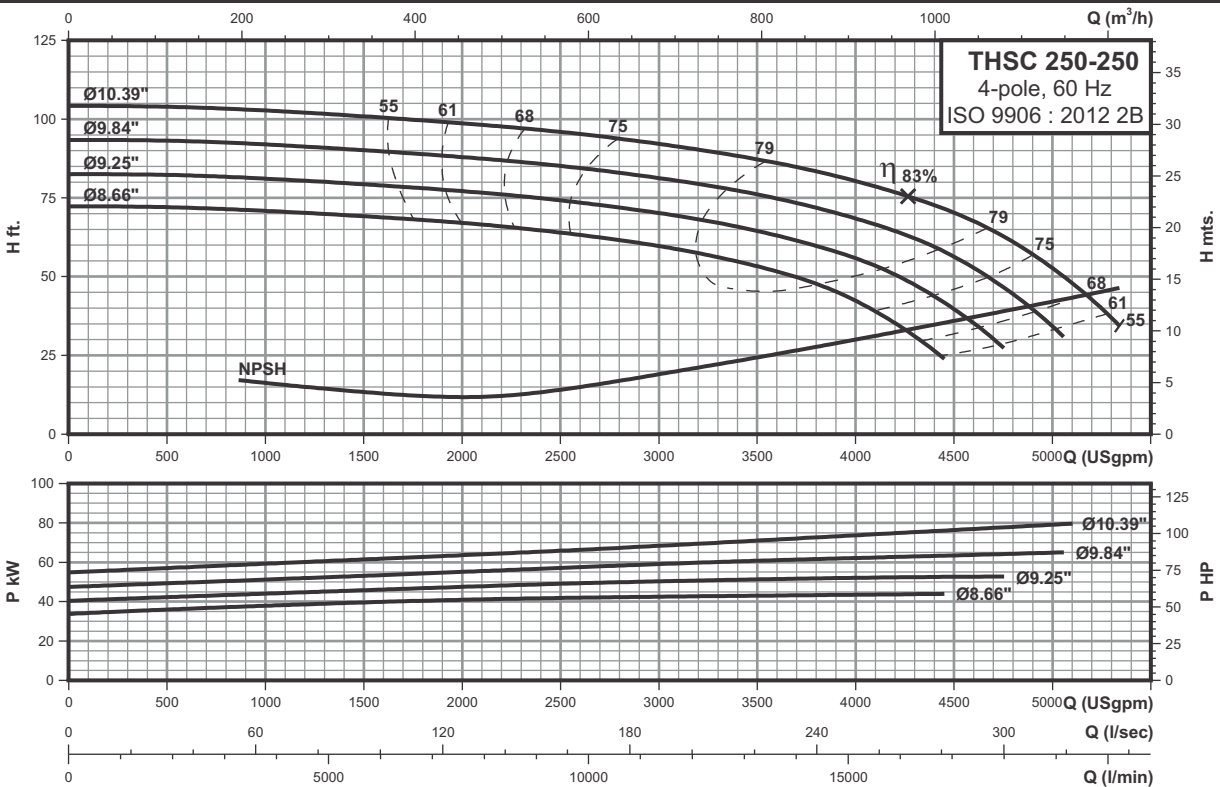
## Technical data

Power	(hp)	200	250	300
	(kw)	150	185	220
Frame		505T	505T	505T
ANSI flange		125	125	125
DNs	inch(mm)	10.00(250)	10.00(250)	10.00(200)
DNd	inch(mm)	8.00(200)	8.00(200)	8.00(200)
a	inch(mm)	15.98(406)	15.98(406)	15.98(406)
a2	inch(mm)	7.87(200)	7.87(200)	7.87(200)
f	inch(mm)	20.35(517)	20.35(517)	20.35(517)
k1	inch(mm)	19.09(485)	19.09(485)	19.09(485)
k2	inch(mm)	16.54(420)	16.54(420)	16.54(420)
v	inch(mm)	9.06(230)	9.06(230)	9.06(230)
h2	inch(mm)	12.32(313)	12.32(313)	12.32(313)
h3	inch(mm)	23.23(590)	23.23(590)	23.23(590)
h4	inch(mm)	27.56(700)	27.56(700)	27.56(700)
Lm	inch(mm)	50.83(1291)	50.83(1291)	50.83(1291)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	29.29(744)	29.29(744)	29.29(744)
b3	inch(mm)	26.73(679)	26.73(679)	26.73(679)
L1	inch(mm)	67.32(1710)	67.32(1710)	67.32(1710)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	30.71(780)	30.71(780)	30.71(780)
Ød x z		22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	3560(1618)	3774(1712)	3980(1809)
Gross Weight	lbs(kg)	4039(1836)	4255(1930)	4465(2030)
Volume	ft³(m³)	112.59(3.189)	112.59(3.189)	112.59(3.189)

# Performance curves

# THSC 250-250 4-pole

## Horizontal split case pumps



## Technical data

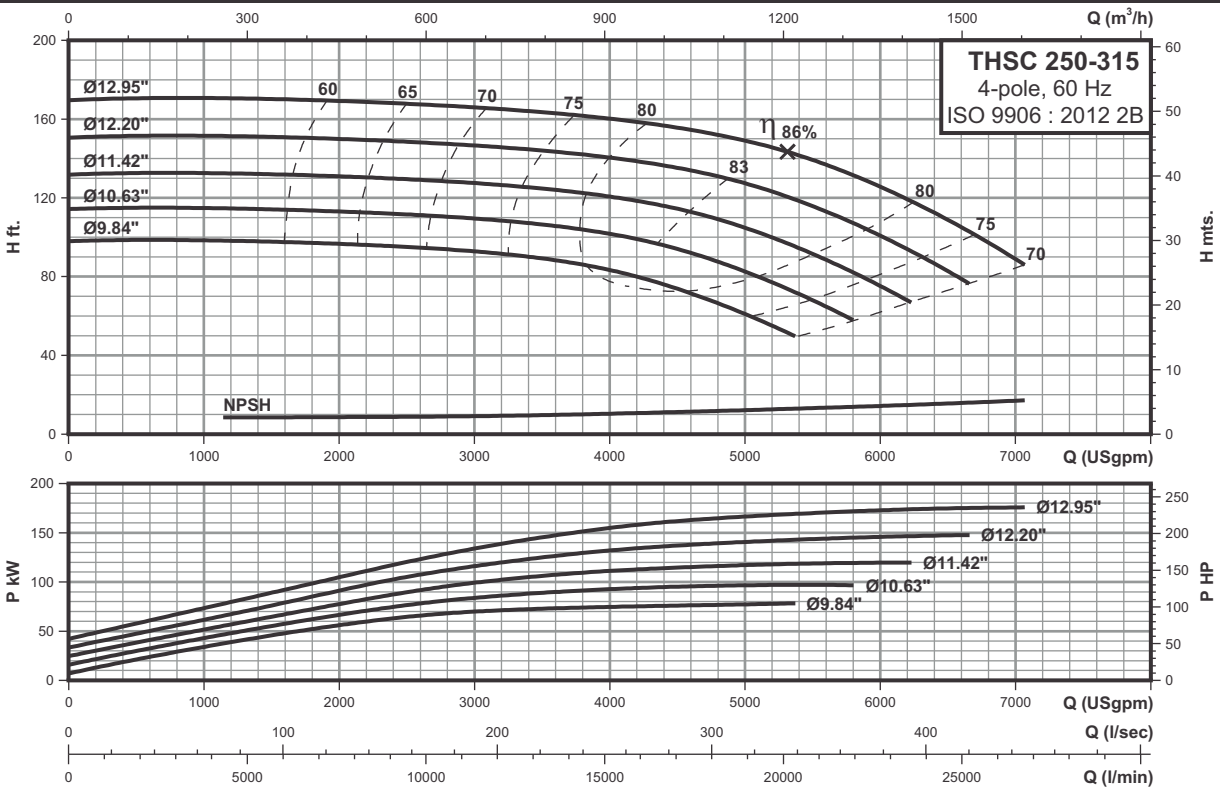
		60	75	100	125
Power	(hp)	45	55	75	90
	(kw)	33.1	40.1	54.7	65.5
Frame		364T	365T	405T	444T
ANSI flange		125	125	125	125
DNs	inch(mm)	12.00(300)	12.00(300)	12.00(300)	12.00(300)
DNd	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
a	inch(mm)	17.20(437)	17.20(437)	17.20(437)	17.20(437)
a2	inch(mm)	10.04(255)	10.04(255)	10.04(255)	10.04(255)
f	inch(mm)	21.57(548)	21.57(548)	21.57(548)	21.57(548)
k1	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
k2	inch(mm)	15.75(400)	15.75(400)	15.75(400)	15.75(400)
v	inch(mm)	12.40(315)	12.40(315)	12.40(315)	12.40(315)
h2	inch(mm)	11.93(303)	11.93(303)	11.93(303)	11.93(303)
h3	inch(mm)	28.54(725)	28.54(725)	28.54(725)	28.54(725)
h4	inch(mm)	39.76(1010)	39.76(1010)	41.02(1042)	42.52(1080)
Lm	inch(mm)	33.62(854)	34.61(879)	38.70(983)	39.29(998)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	29.29(744)	29.29(744)	29.29(744)	29.29(744)
b3	inch(mm)	26.73(679)	26.73(679)	26.73(679)	26.73(679)
L1	inch(mm)	56.54(1436)	57.56(1462)	61.10(1552)	62.13(1578)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	25.31(643)	25.83(656)	27.60(701)	28.11(714)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2262(1028)	2372(1078)	2787(1267)	3146(1430)
Gross Weight	lbs(kg)	2710(1232)	2823(1283)	3258(1481)	3617(1644)
Volume	ft³(m³)	104.33(2.955)	105.61(2.991)	110.93(3.142)	111.70(3.163)

4 POLE

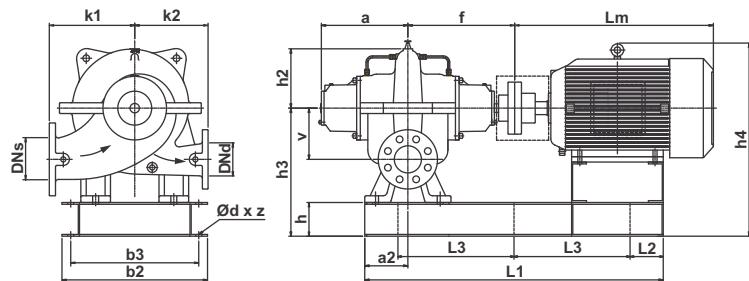
# Performance curves

# THSC 250-315 4-pole

## Horizontal split case pumps



4 POLE



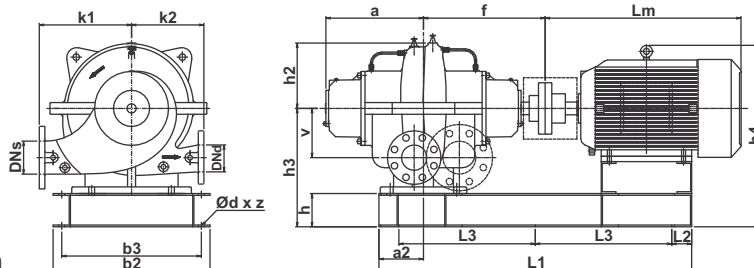
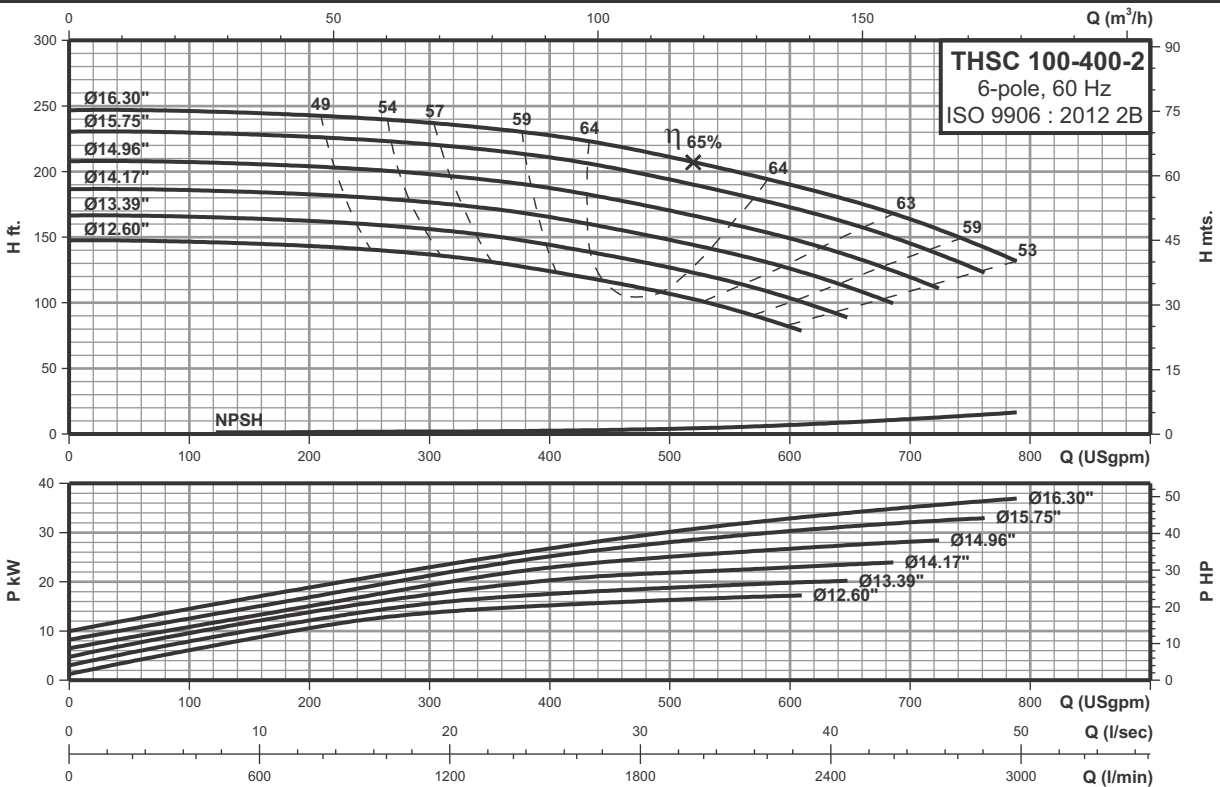
### Technical data

Power	(hp)	100	125	150	200
	(kw)	75	90	110	150
Frame		405T	444T	445T	505T
ANSI flange		125	125	125	125
DNs	inch(mm)	12.00(300)	12.00(300)	12.00(300)	12.00(300)
DNd	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
a	inch(mm)	17.40(442)	17.40(442)	17.40(442)	17.40(442)
a2	inch(mm)	10.24(260)	10.24(260)	10.24(260)	10.24(260)
f	inch(mm)	21.77(553)	21.77(553)	21.77(553)	21.77(553)
k1	inch(mm)	20.67(525)	20.67(525)	20.67(525)	20.67(525)
k2	inch(mm)	17.72(450)	17.72(450)	17.72(450)	17.72(450)
v	inch(mm)	10.43(265)	10.43(265)	10.43(265)	10.43(265)
h2	inch(mm)	12.83(326)	12.83(326)	12.83(326)	12.83(326)
h3	inch(mm)	26.18(665)	26.18(665)	26.18(665)	26.18(665)
h4	inch(mm)	38.66(982)	40.16(1020)	40.16(1020)	27.56(700)
Lm	inch(mm)	38.70(983)	39.29(998)	43.07(1094)	50.83(1291)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	31.50(800)	31.50(800)	31.50(800)	31.50(800)
b3	inch(mm)	28.94(735)	28.94(735)	28.94(735)	28.94(735)
L1	inch(mm)	61.50(1562)	62.60(1590)	66.46(1688)	71.10(1806)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	27.80(706)	28.35(720)	30.28(769)	32.60(828)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2867(1303)	3223(1465)	3601(1637)	3780(1718)
Gross Weight	lbs(kg)	3351(1523)	3711(1687)	4101(1864)	4310(1959)
Volume	ft³(m³)	104.33(2.955)	105.61(2.991)	110.93(3.142)	111.70(3.163)

# Performance curves

# THSC 100-400-2 6-pole

## Horizontal split case pumps



## Technical data

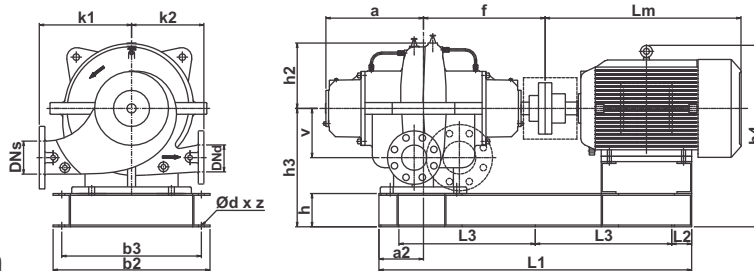
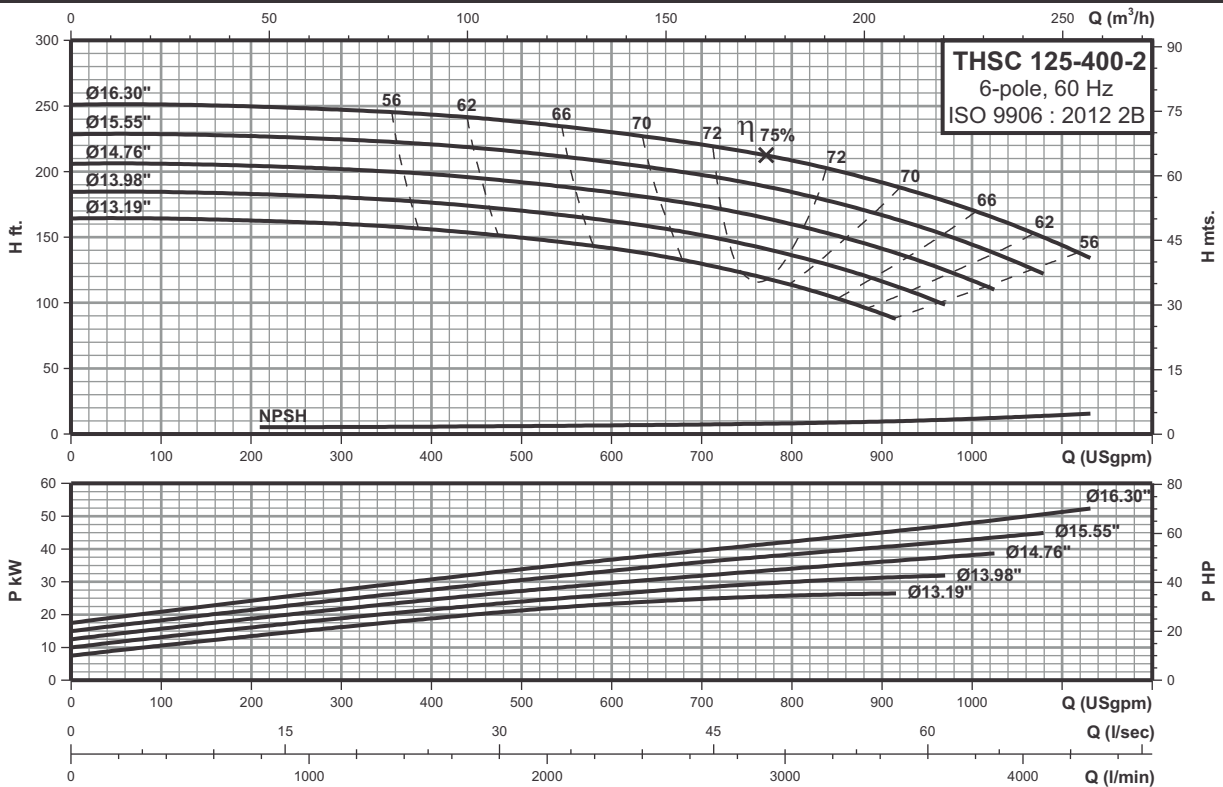
Power	(hp)	25	30	40	50
	(kw)	18.5	22	30	37
Frame		324T	326T	364T	365T
ANSI flange		125	125	125	125
DNs	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
DNd	inch(mm)	4.00(100)	4.00(100)	4.00(100)	4.00(100)
a	inch(mm)	15.31(389)	15.31(389)	15.31(389)	15.31(389)
a2	inch(mm)	6.38(162)	6.38(162)	6.38(162)	6.38(162)
f	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
k1	inch(mm)	15.94(405)	15.94(405)	15.94(405)	15.94(405)
k2	inch(mm)	12.80(325)	12.80(325)	12.80(325)	12.80(325)
v	inch(mm)	8.86(225)	8.86(225)	8.86(225)	8.86(225)
h2	inch(mm)	11.10(282)	11.10(282)	11.10(282)	11.10(282)
h3	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
h4	inch(mm)	29.80(757)	29.80(757)	30.87(784)	30.87(784)
Lm	inch(mm)	32.44(824)	32.44(824)	33.62(854)	34.61(879)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.97(685)	26.97(685)	26.97(685)	26.97(685)
b3	inch(mm)	24.61(625)	24.61(625)	24.61(625)	24.61(625)
L1	inch(mm)	49.84(1266)	49.84(1266)	50.79(1290)	51.81(1316)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	21.97(558)	21.97(558)	22.44(570)	22.95(583)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1594(725)	1619(736)	1775(807)	1877(853)
Gross Weight	lbs(kg)	1876(853)	1901(864)	2057(935)	2158(981)
Volume	ft³(m³)	68.32(1.936)	68.32(1.936)	68.32(1.936)	68.32(1.936)

6 POLE

# Performance curves

# THSC 125-400-2 6-pole

## Horizontal split case pumps



## Technical data

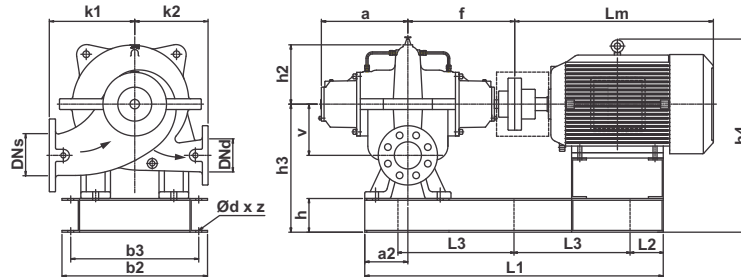
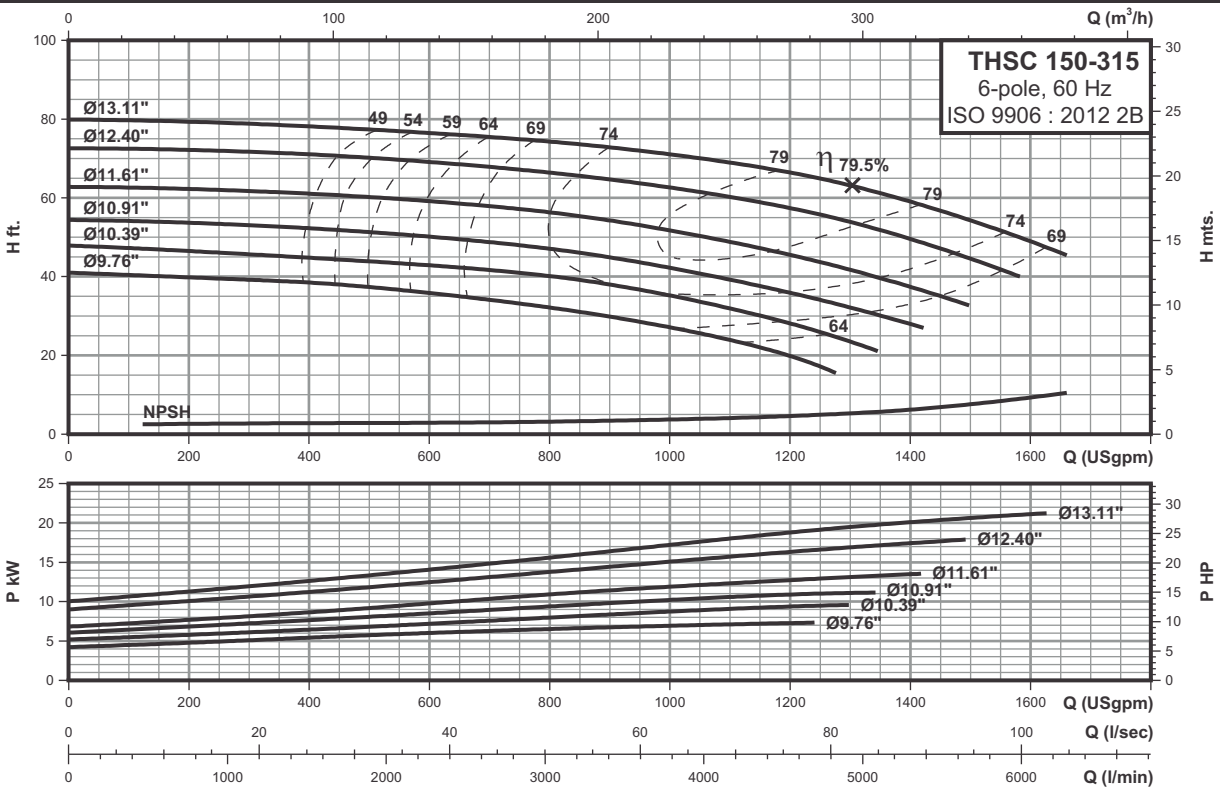
Power	(hp)	40	50	60	75
	(kw)	30	37	45	55
Frame		364T	365T	404T	404T
ANSI flange		125	125	125	125
DNs	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
DNd	inch(mm)	5.00(125)	5.00(125)	5.00(125)	5.00(125)
a	inch(mm)	16.46(418)	16.46(418)	16.46(418)	16.46(418)
a2	inch(mm)	6.89(175)	6.89(175)	6.89(175)	6.89(175)
f	inch(mm)	20.67(525)	20.67(525)	20.67(525)	20.67(525)
k1	inch(mm)	18.90(480)	18.90(480)	18.90(480)	18.90(480)
k2	inch(mm)	13.19(335)	13.19(335)	13.19(335)	13.19(335)
v	inch(mm)	8.46(215)	8.46(215)	8.46(215)	8.46(215)
h2	inch(mm)	11.69(297)	11.69(297)	11.69(297)	11.69(297)
h3	inch(mm)	19.88(505)	19.88(505)	19.88(505)	19.88(505)
h4	inch(mm)	31.06(789)	31.06(789)	32.36(822)	32.36(822)
Lm	inch(mm)	33.62(854)	34.61(879)	38.66(982)	38.66(982)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	26.97(685)	26.97(685)	26.97(685)	26.97(685)
b3	inch(mm)	24.41(620)	24.41(620)	24.41(620)	24.41(620)
L1	inch(mm)	52.28(1328)	53.31(1354)	56.77(1442)	56.77(1442)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	23.19(589)	23.70(602)	25.43(646)	25.43(646)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1890(859)	1991(905)	2244(1020)	2317(1053)
Gross Weight	lbs(kg)	2275(1034)	2376(1080)	2666(1212)	2739(1245)
Volume	ft³(m³)	74.483(2.110)	74.483(2.110)	93.227(2.641)	93.227(2.641)

6 POLE

# Performance curves

# THSC 150-315 6-pole

## Horizontal split case pumps



## Technical data

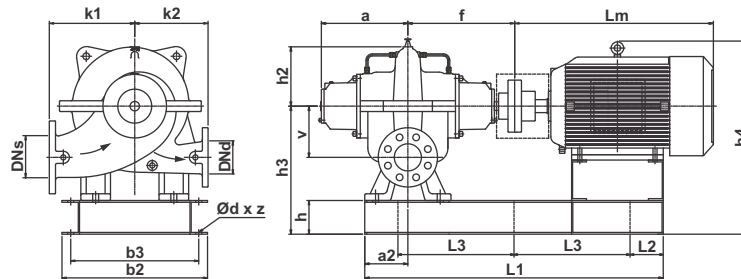
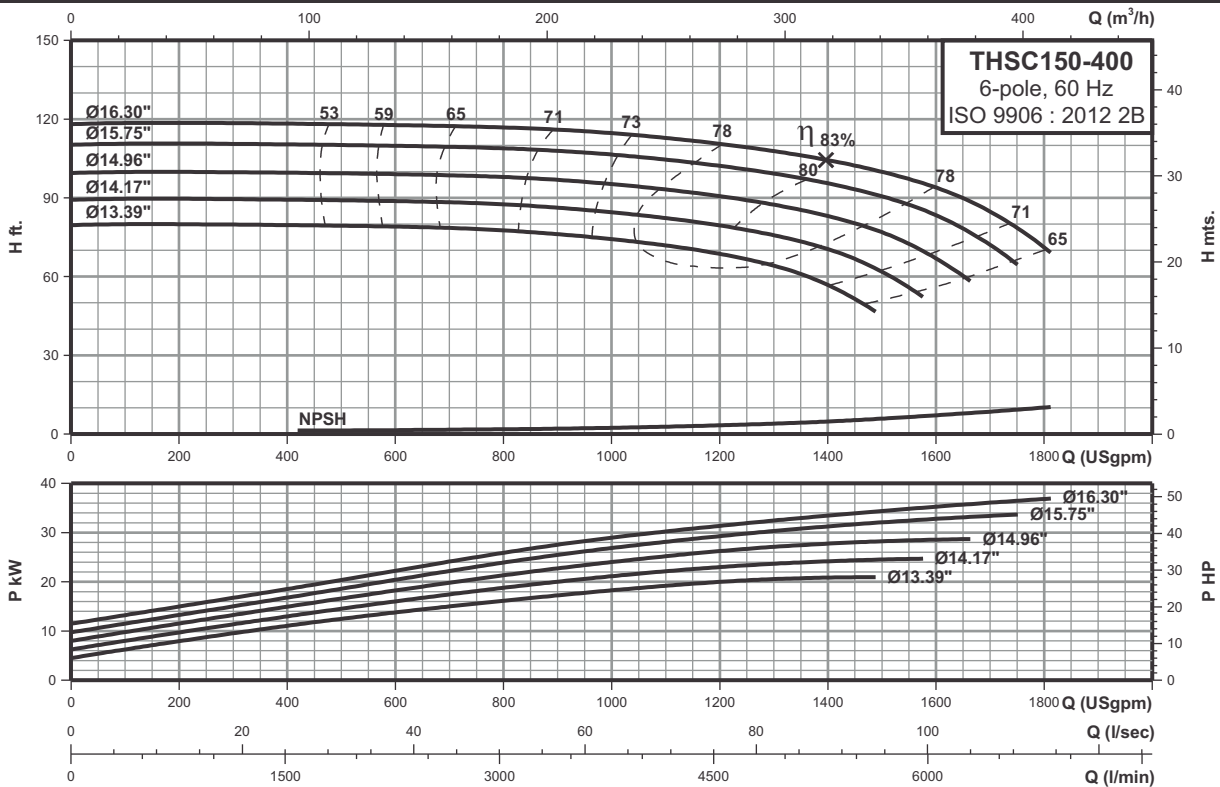
		10	15	20	25	30
		(hp)	(kw)	(hp)	(kw)	(hp)
Power		10	15	20	25	30
		7.5	11	15	18.5	22
Frame		256T	284T	286T	324T	326T
ANSI flange		125	125	125	125	125
DNs	inch(mm)	8.00(200)	8.00(200)	8.00(200)	8.00(200)	8.00(200)
DNd	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
a	inch(mm)	13.86(352)	13.86(352)	13.86(352)	13.86(352)	13.86(352)
a2	inch(mm)	7.60(193)	7.60(193)	7.60(193)	7.60(193)	7.60(193)
f	inch(mm)	17.91(455)	17.91(455)	17.91(455)	17.91(455)	17.91(455)
k1	inch(mm)	15.75(400)	15.75(400)	15.75(400)	15.75(400)	15.75(400)
k2	inch(mm)	12.20(310)	12.20(310)	12.20(310)	12.20(310)	12.20(310)
v	inch(mm)	7.09(180)	7.09(180)	7.09(180)	7.09(180)	7.09(180)
h2	inch(mm)	10.16(258)	10.16(258)	10.16(258)	10.16(258)	10.16(258)
h3	inch(mm)	19.69(500)	19.69(500)	19.69(500)	19.69(500)	19.69(500)
h4	inch(mm)	28.43(722)	29.21(742)	29.21(742)	29.80(757)	29.80(757)
Lm	inch(mm)	25.00(635)	28.46(723)	30.00(762)	32.44(824)	32.44(824)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	24.21(615)	24.21(615)	24.21(615)	24.21(615)	24.21(615)
b3	inch(mm)	21.65(550)	21.65(550)	21.65(550)	21.65(550)	21.65(550)
L1	inch(mm)	44.88(1140)	45.91(1166)	47.32(1202)	49.84(1266)	49.84(1266)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	19.49(495)	20.00(508)	20.71(526)	21.97(558)	21.97(558)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1156(526)	1330(605)	1392(633)	1521(692)	1547(703)
Gross Weight	lbs(kg)	1460(664)	1643(747)	1708(777)	1845(839)	1870(850)
Volume	ft³(m³)	55.31(1.567)	58.28(1.650)	59.59(1.688)	61.68(1.747)	61.68(1.747)

6 POLE

# Performance curves

# THSC 150-400 6-pole

## Horizontal split case pumps



## Technical data

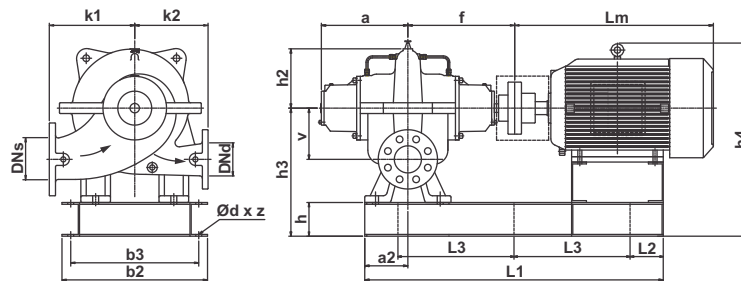
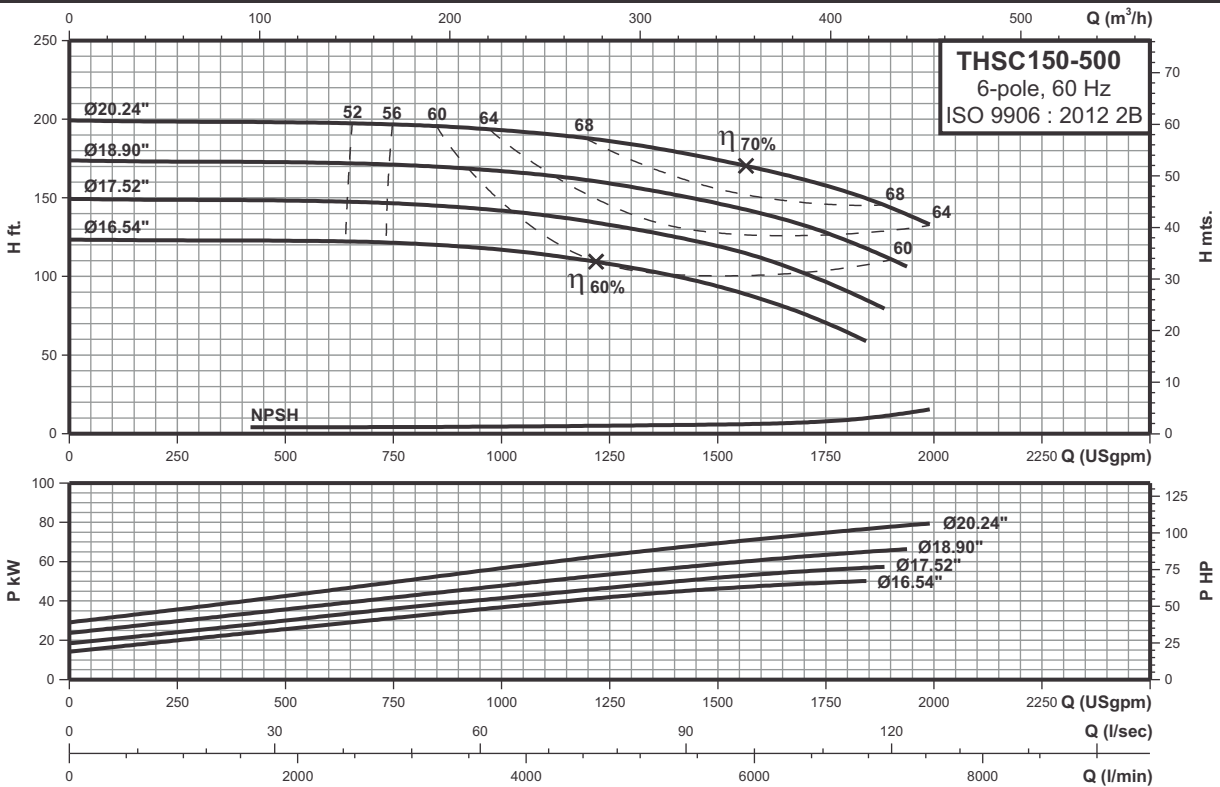
Power	(hp)	30	40	50	60
	(kw)	22	30	37	45
Frame		326T	364T	365T	404T
ANSI flange		125	125	125	125
DNs	inch(mm)	8.00(200)	8.00(200)	8.00(200)	8.00(200)
DNd	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
a	inch(mm)	14.72(374)	14.72(374)	14.72(374)	14.72(374)
a2	inch(mm)	7.68(195)	7.68(195)	7.68(195)	7.68(195)
f	inch(mm)	19.09(485)	19.09(485)	19.09(485)	19.09(485)
k1	inch(mm)	16.73(425)	16.73(425)	16.73(425)	16.73(425)
k2	inch(mm)	13.78(350)	13.78(350)	13.78(350)	13.78(350)
v	inch(mm)	8.27(210)	8.27(210)	8.27(210)	8.27(210)
h2	inch(mm)	11.50(292)	11.50(292)	11.50(292)	11.50(292)
h3	inch(mm)	21.06(535)	21.06(535)	21.06(535)	21.06(535)
h4	inch(mm)	31.18(792)	32.24(819)	32.24(819)	33.54(852)
Lm	inch(mm)	32.44(824)	33.62(854)	34.61(879)	38.66(982)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	25.98(660)	25.98(660)	25.98(660)	25.98(660)
b3	inch(mm)	23.43(595)	23.43(595)	23.43(595)	23.43(595)
L1	inch(mm)	51.10(1298)	51.50(1308)	52.68(1338)	56.14(1426)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	22.60(574)	22.80(579)	23.39(594)	25.12(638)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1553(706)	1703(774)	1811(823)	2075(943)
Gross Weight	lbs(kg)	1905(866)	2057(935)	2169(986)	2446(1112)
Volume	ft³(m³)	72.45(2.052)	73.60(2.085)	74.57(2.112)	78.53(2.224)

6 POLE

# Performance curves

# THSC 150-500 6-pole

## Horizontal split case pumps



## Technical data

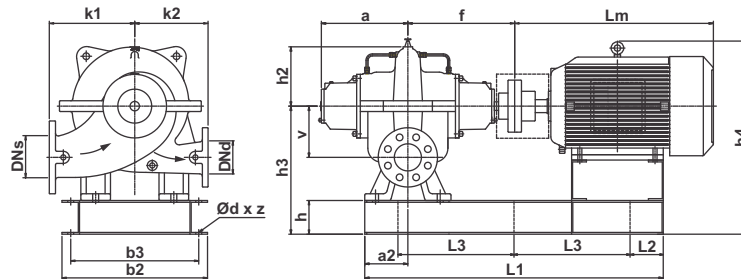
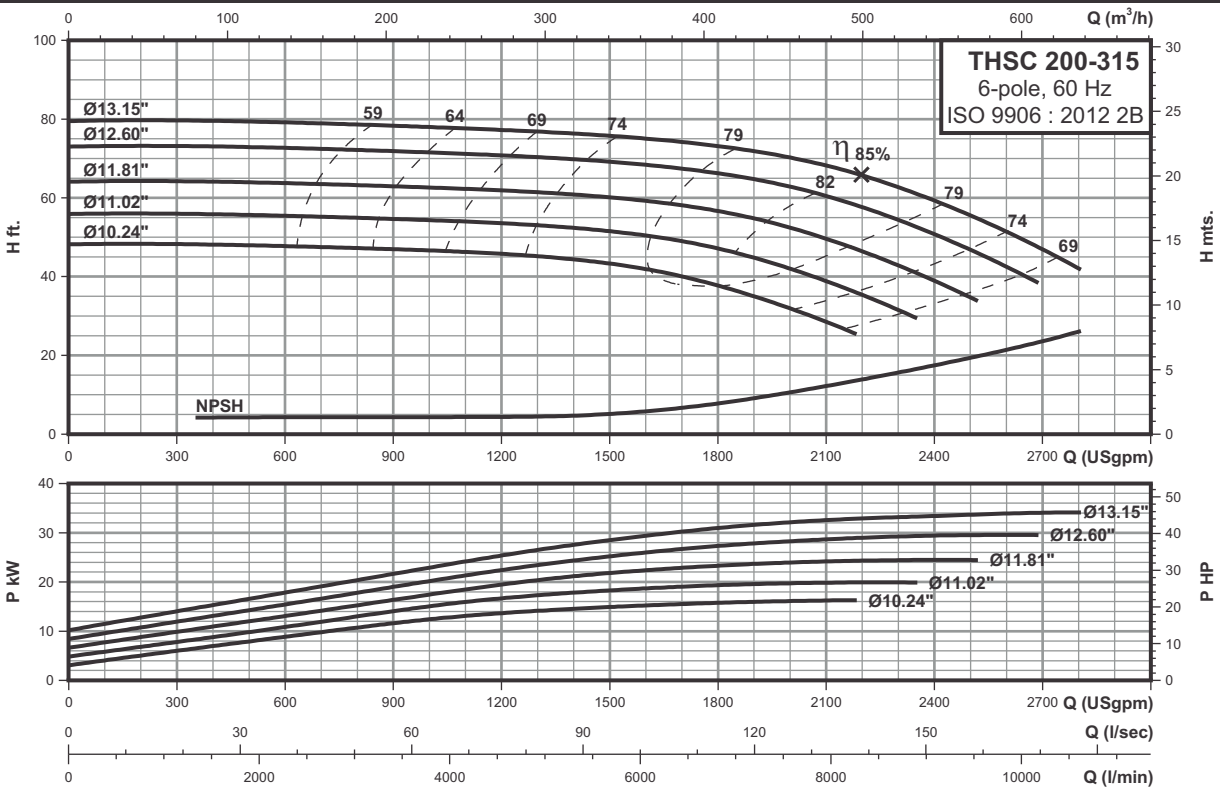
Power	(hp)	60	75	100	125
	(kw)	45	55	75	90
Frame		404T	405T	444T	445T
ANSI flange		125	125	125	125
DNs	inch(mm)	8.00(200)	8.00(200)	8.00(200)	8.00(200)
DNd	inch(mm)	6.00(150)	6.00(150)	6.00(150)	6.00(150)
a	inch(mm)	14.72(374)	14.72(374)	14.72(374)	14.72(374)
a2	inch(mm)	7.68(195)	7.68(195)	7.68(195)	7.68(195)
f	inch(mm)	19.09(485)	19.09(485)	19.09(485)	19.09(485)
k1	inch(mm)	16.73(425)	16.73(425)	16.73(425)	16.73(425)
k2	inch(mm)	13.78(350)	13.78(350)	13.78(350)	13.78(350)
v	inch(mm)	8.27(210)	8.27(210)	8.27(210)	8.27(210)
h2	inch(mm)	11.50(292)	11.50(292)	11.50(292)	11.50(292)
h3	inch(mm)	21.06(535)	21.06(535)	21.06(535)	21.06(535)
h4	inch(mm)	33.54(852)	33.54(852)	35.03(890)	35.03(890)
Lm	inch(mm)	38.66(982)	38.66(982)	39.29(998)	43.07(1094)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	25.98(660)	25.98(660)	25.98(660)	25.98(660)
b3	inch(mm)	23.43(595)	23.43(595)	23.43(595)	23.43(595)
L1	inch(mm)	56.14(1426)	56.14(1426)	57.40(1458)	61.02(1550)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	25.12(638)	25.12(638)	25.75(654)	27.56(700)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2075(943)	2141(973)	2576(1171)	2906(1321)
Gross Weight	lbs(kg)	2446(1112)	2512(1142)	2948(1340)	3293(1497)
Volume	ft³(m³)	78.53(2.224)	78.53(2.224)	79.33(2.247)	79.33(2.247)

6 POLE

# Performance curves

# THSC 200-315 6-pole

## Horizontal split case pumps



## Technical data

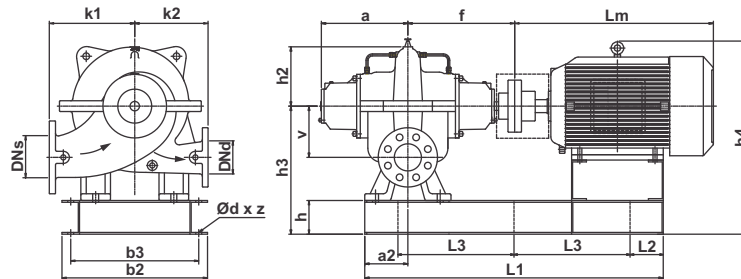
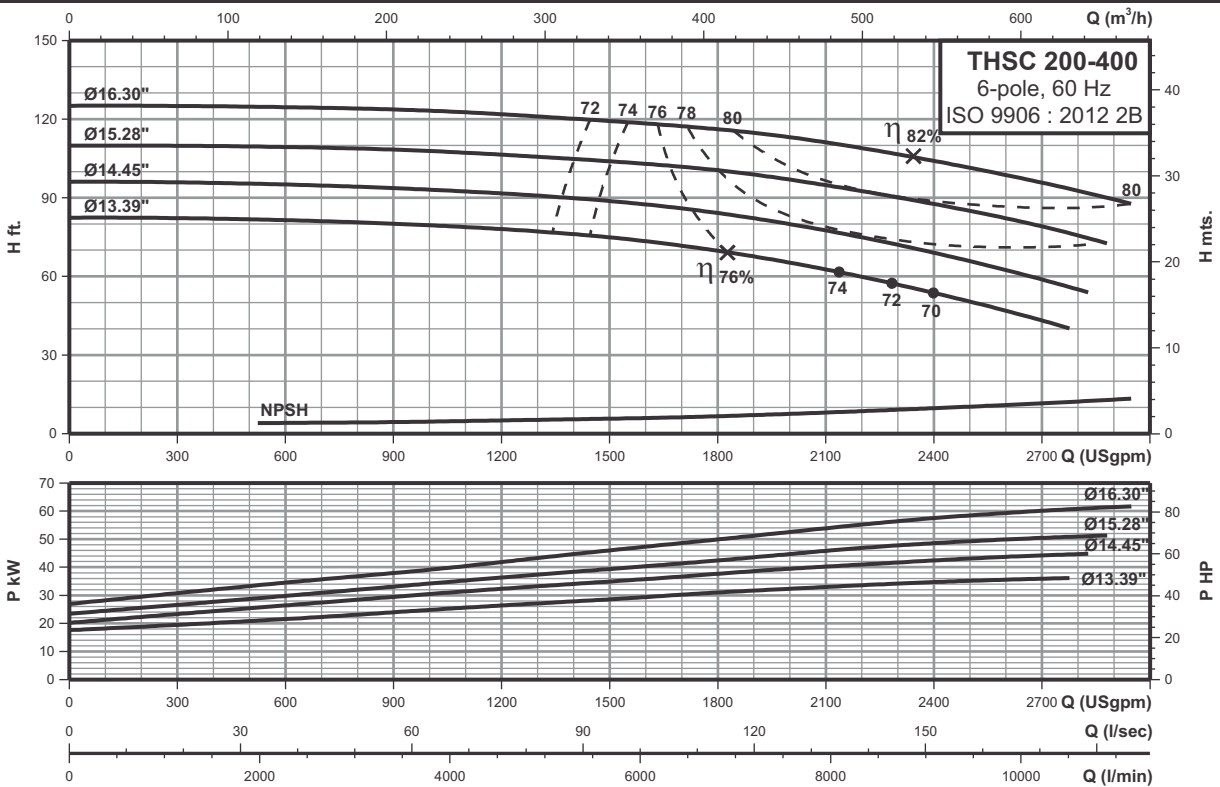
		20	30	40	50
Power	(hp)	15	22	30	37
	(kw)	11.2	16.1	22.1	27.1
Frame		286T	326T	364T	356T
ANSI flange		125	125	125	125
DNs	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
DNd	inch(mm)	8.00(200)	8.00(200)	8.00(200)	8.00(200)
a	inch(mm)	15.94(405)	15.94(405)	15.94(405)	15.94(405)
a2	inch(mm)	9.06(230)	9.06(230)	9.06(230)	9.06(230)
f	inch(mm)	20.31(516)	20.31(516)	20.31(516)	20.31(516)
k1	inch(mm)	17.72(450)	17.72(450)	17.72(450)	17.72(450)
k2	inch(mm)	14.76(375)	14.76(375)	14.76(375)	14.76(375)
v	inch(mm)	9.25(235)	9.25(235)	9.25(235)	9.25(235)
h2	inch(mm)	11.30(287)	11.30(287)	11.30(287)	11.30(287)
h3	inch(mm)	23.23(590)	23.23(590)	23.23(590)	23.23(590)
h4	inch(mm)	32.76(832)	33.35(847)	34.41(874)	34.41(874)
Lm	inch(mm)	30.00(762)	32.44(824)	33.62(854)	34.61(879)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	27.95(710)	27.95(710)	27.95(710)	27.95(710)
b3	inch(mm)	25.39(645)	25.39(645)	25.39(645)	25.39(645)
L1	inch(mm)	51.26(1302)	53.70(1364)	54.09(1374)	55.28(1404)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	22.68(576)	23.90(607)	24.09(612)	24.69(627)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1640(746)	1797(817)	1949(886)	2057(935)
Gross Weight	lbs(kg)	2014(916)	2182(992)	2336(1062)	2449(1113)
Volume	ft³(m³)	79.59(2.254)	82.21(2.328)	83.48(2.364)	84.53(2.394)

6 POLE

# Performance curves

# THSC 200-400 6-pole

## Horizontal split case pumps



## Technical data

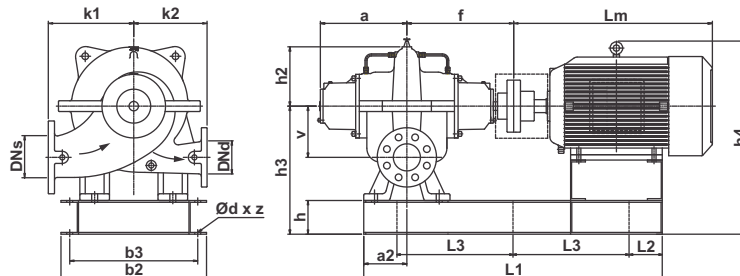
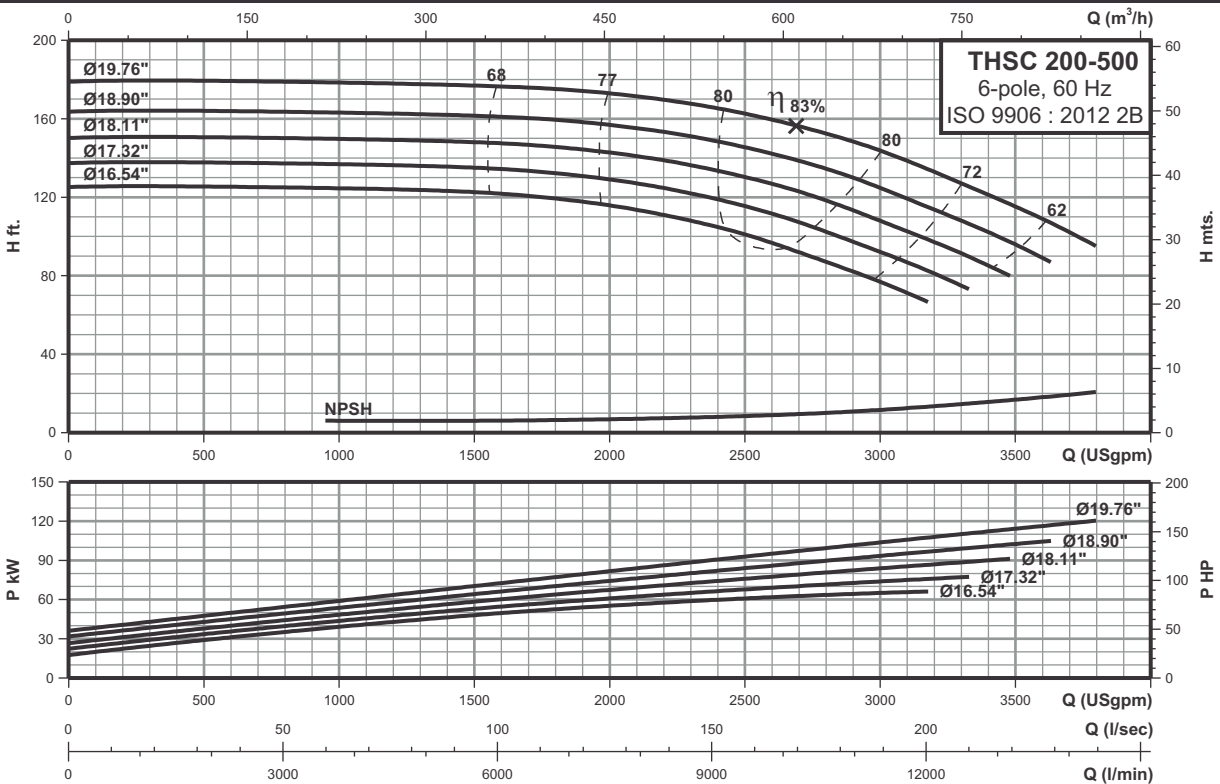
Power	(hp)	50	60	75	100
	(kw)	37	45	55	75
Frame		365T	404T	405T	444T
ANSI flange		125	125	125	125
DNs	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
DNd	inch(mm)	8.00(200)	8.00(200)	8.00(200)	8.00(200)
a	inch(mm)	15.98(406)	15.98(406)	15.98(406)	15.98(406)
a2	inch(mm)	7.87(200)	7.87(200)	7.87(200)	7.87(200)
f	inch(mm)	20.35(517)	20.35(517)	20.35(517)	20.35(517)
k1	inch(mm)	19.09(485)	19.09(485)	19.09(485)	19.09(485)
k2	inch(mm)	16.54(420)	16.54(420)	16.54(420)	16.54(420)
v	inch(mm)	9.06(230)	9.06(230)	9.06(230)	9.06(230)
h2	inch(mm)	12.32(313)	12.32(313)	12.32(313)	12.32(313)
h3	inch(mm)	23.23(590)	23.23(590)	23.23(590)	23.23(590)
h4	inch(mm)	34.41(874)	35.71(907)	35.71(907)	37.20(945)
Lm	inch(mm)	34.61(879)	38.66(982)	38.70(983)	39.29(998)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	29.29(744)	29.29(744)	29.29(744)	29.29(744)
b3	inch(mm)	26.73(679)	26.73(679)	26.73(679)	26.73(679)
L1	inch(mm)	54.17(1376)	57.80(1468)	57.80(1468)	58.98(1498)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	24.13(613)	25.94(659)	25.94(659)	26.54(674)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2191(996)	2460(1118)	2526(1148)	2961(1346)
Gross Weight	lbs(kg)	2614(1188)	2895(1316)	2961(1346)	3401(1546)
Volume	ft³(m³)	93.37(2.644)	98.17(2.780)	98.22(2.782)	98.92(2.802)

6 POLE

# Performance curves

# THSC 200-500 6-pole

## Horizontal split case pumps



## Technical data

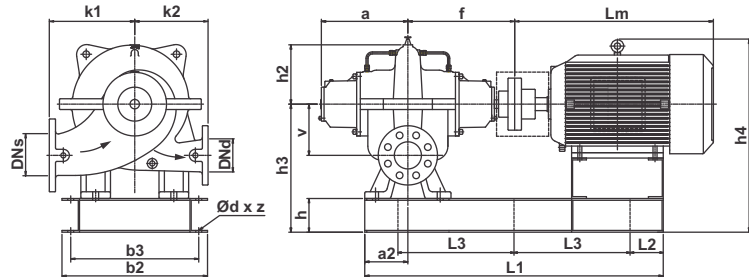
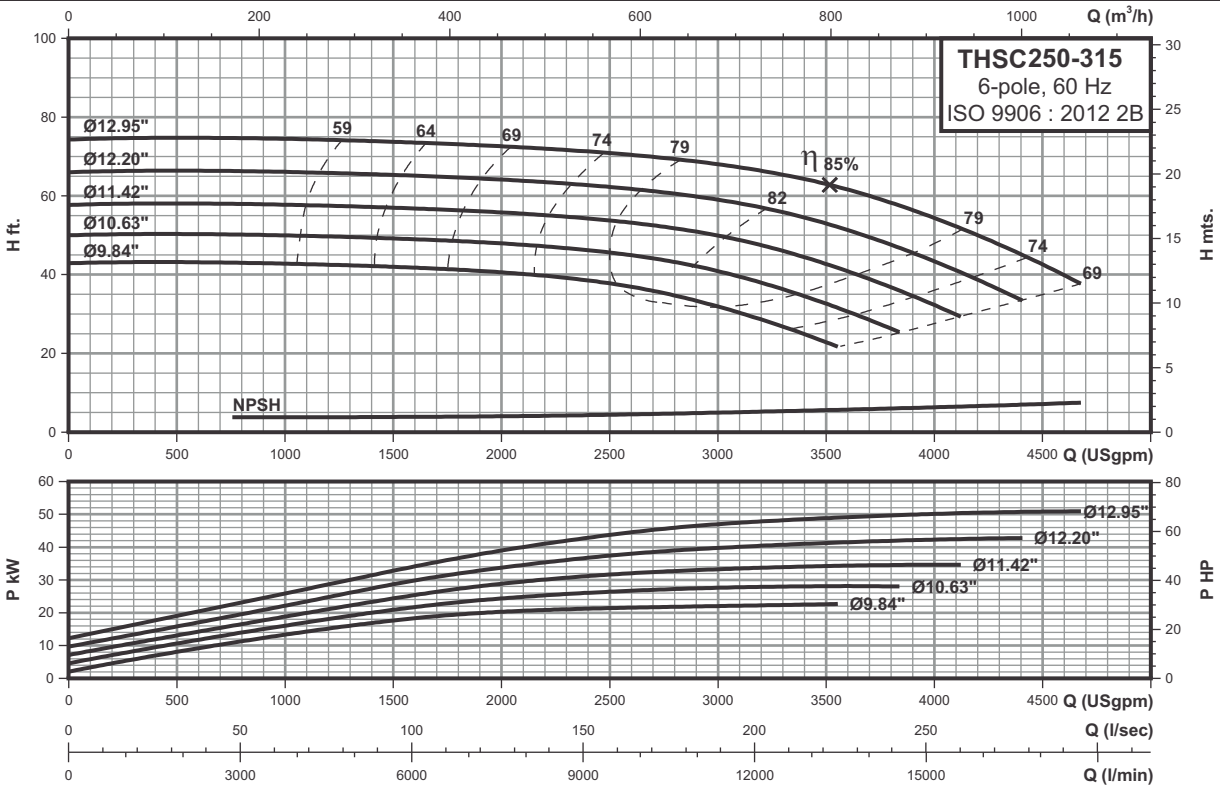
Power	(hp)	20	30	40	50
	(kw)	15	22	30	37
Frame		286T	326T	364T	356T
ANSI flange		125	125	125	125
DNs	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
DNd	inch(mm)	8.00(200)	8.00(200)	8.00(200)	8.00(200)
a	inch(mm)	15.94(405)	15.94(405)	15.94(405)	15.94(405)
a2	inch(mm)	9.06(230)	9.06(230)	9.06(230)	9.06(230)
f	inch(mm)	20.31(516)	20.31(516)	20.31(516)	20.31(516)
k1	inch(mm)	17.72(450)	17.72(450)	17.72(450)	17.72(450)
k2	inch(mm)	14.76(375)	14.76(375)	14.76(375)	14.76(375)
v	inch(mm)	9.25(235)	9.25(235)	9.25(235)	9.25(235)
h2	inch(mm)	11.30(287)	11.30(287)	11.30(287)	11.30(287)
h3	inch(mm)	23.23(590)	23.23(590)	23.23(590)	23.23(590)
h4	inch(mm)	32.76(832)	33.35(847)	34.41(874)	34.41(874)
Lm	inch(mm)	30.00(762)	32.44(824)	33.62(854)	34.61(879)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	27.95(710)	27.95(710)	27.95(710)	27.95(710)
b3	inch(mm)	25.39(645)	25.39(645)	25.39(645)	25.39(645)
L1	inch(mm)	51.26(1302)	53.70(1364)	54.09(1374)	55.28(1404)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	22.68(576)	23.90(607)	24.09(612)	24.69(627)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	1640(746)	1797(817)	1949(886)	2057(935)
Gross Weight	lbs(kg)	2014(916)	2182(992)	2336(1062)	2449(1113)
Volume	ft³(m³)	79.59(2.254)	82.21(2.328)	83.48(2.364)	84.53(2.394)

6 POLE

# Performance curves

## Horizontal split case pumps

# THSC 250-315 6-pole



## Technical data

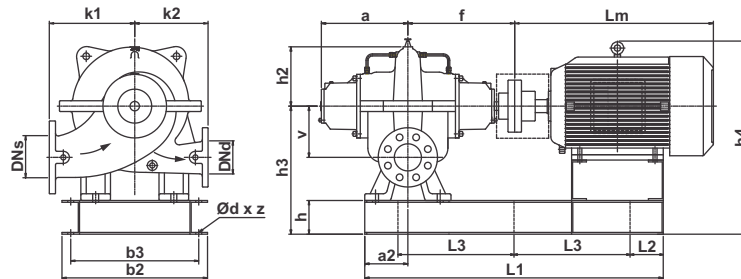
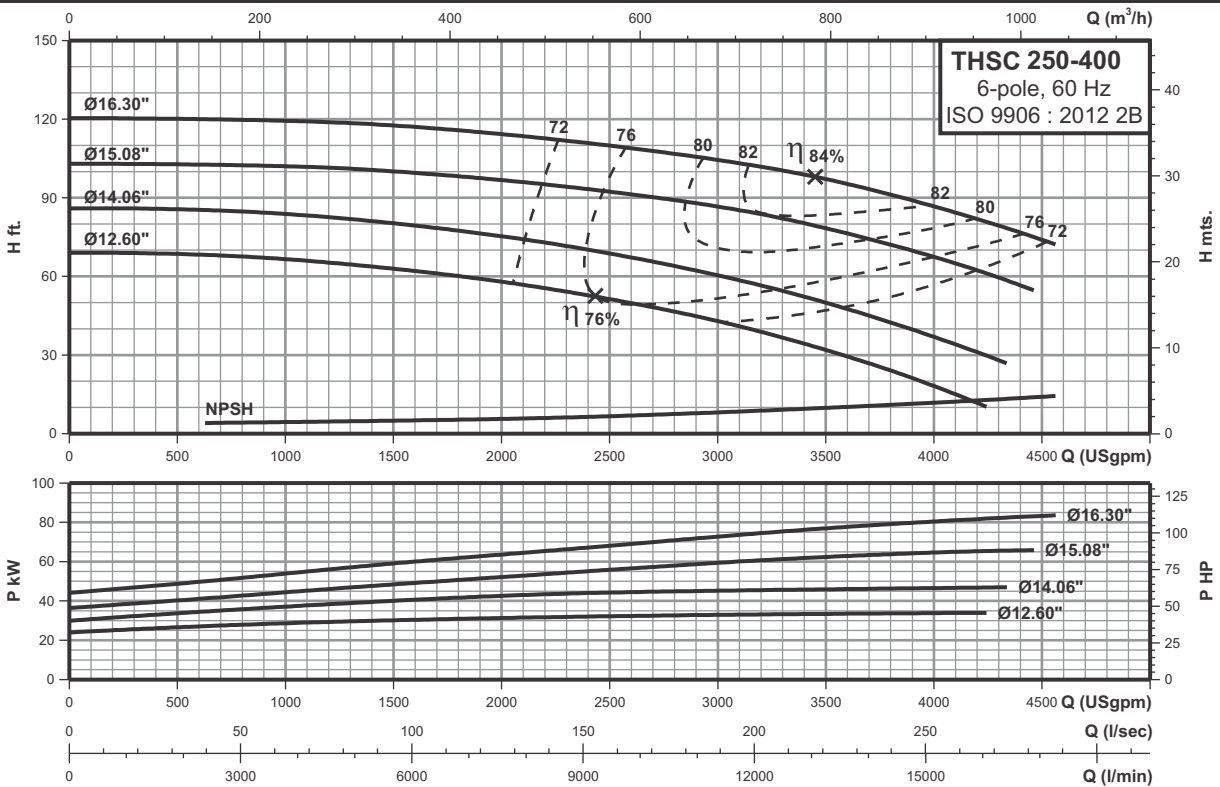
Power	(hp)	30	40	50	60	75
	(kw)	22	30	37	45	55
Frame		326T	364T	365T	404T	405T
ANSI flange		125	125	125	125	125
DNs	inch(mm)	12.00(300)	12.00(300)	12.00(300)	12.00(300)	12.00(300)
DNd	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
a	inch(mm)	17.40(442)	17.40(442)	17.40(442)	17.40(442)	17.40(442)
a2	inch(mm)	10.24(260)	10.24(260)	10.24(260)	10.24(260)	10.24(260)
f	inch(mm)	21.77(553)	21.77(553)	21.77(553)	21.77(553)	21.77(553)
k1	inch(mm)	20.67(525)	20.67(525)	20.67(525)	20.67(525)	20.67(525)
k2	inch(mm)	17.72(450)	17.72(450)	17.72(450)	17.72(450)	17.72(450)
v	inch(mm)	10.43(265)	10.43(265)	10.43(265)	10.43(265)	10.43(265)
h2	inch(mm)	12.83(326)	12.83(326)	12.83(326)	12.83(326)	12.83(326)
h3	inch(mm)	26.18(665)	26.18(665)	26.18(665)	26.18(665)	26.18(665)
h4	inch(mm)	36.30(922)	37.36(949)	37.36(949)	38.66(982)	38.66(982)
Lm	inch(mm)	32.44(824)	33.62(854)	34.61(879)	38.66(982)	38.70(983)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	31.50(800)	31.50(800)	31.50(800)	31.50(800)	31.50(800)
b3	inch(mm)	28.94(735)	28.94(735)	28.94(735)	28.94(735)	28.94(735)
L1	inch(mm)	56.38(1432)	56.77(1442)	57.95(1472)	61.50(1562)	61.50(1562)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	25.24(641)	25.43(646)	26.02(661)	27.80(706)	27.80(706)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2180(991)	2330(1059)	2438(1108)	2702(1228)	2768(1258)
Gross Weight	lbs(kg)	2642(1201)	2794(1270)	2906(1321)	3186(1448)	3252(1478)
Volume	ft³(m³)	107.48(3.044)	109.08(3.089)	110.41(3.127)	115.89(3.282)	115.95(3.284)

6 POLE

# Performance curves

# THSC 250-400 6-pole

## Horizontal split case pumps



## Technical data

Power	(hp)	50	60	75	100	125
	(kw)	37	45	55	75	90
Frame		365T	404T	405T	444T	445T
ANSI flange		125	125	125	125	125
DNs	inch(mm)	12.00(300)	12.00(300)	12.00(300)	12.00(300)	12.00(300)
DNd	inch(mm)	10.00(250)	10.00(250)	10.00(250)	10.00(250)	10.00(250)
a	inch(mm)	17.28(439)	17.28(439)	17.28(439)	17.28(439)	17.28(439)
a2	inch(mm)	10.24(260)	10.24(260)	10.24(260)	10.24(260)	10.24(260)
f	inch(mm)	21.65(550)	21.65(550)	21.65(550)	21.65(550)	21.65(550)
k1	inch(mm)	21.65(550)	21.65(550)	21.65(550)	21.65(550)	21.65(550)
k2	inch(mm)	18.70(475)	18.70(475)	18.70(475)	18.70(475)	18.70(475)
v	inch(mm)	10.83(275)	10.83(275)	10.83(275)	10.83(275)	10.83(275)
h2	inch(mm)	13.50(343)	13.50(343)	13.50(343)	13.50(343)	13.50(343)
h3	inch(mm)	26.57(675)	26.57(675)	26.57(675)	26.57(675)	26.57(675)
h4	inch(mm)	37.76(959)	39.06(992)	39.06(992)	40.55(1030)	40.55(1030)
Lm	inch(mm)	34.61(879)	38.66(982)	38.70(983)	39.29(998)	43.07(1094)
h	inch(mm)	4.92(125)	4.92(125)	4.92(125)	4.92(125)	4.92(125)
b2	inch(mm)	34.25(870)	34.25(870)	34.25(870)	34.25(870)	34.25(870)
b3	inch(mm)	31.69(805)	31.69(805)	31.69(805)	31.69(805)	31.69(805)
L1	inch(mm)	57.95(1472)	61.50(1562)	61.50(1562)	62.76(1594)	66.38(1686)
L2	inch(mm)	2.95(75)	2.95(75)	2.95(75)	2.95(75)	2.95(75)
L3	inch(mm)	26.02(661)	27.80(706)	27.80(706)	28.43(722)	30.24(768)
Ød x z		22 X 6	22 X 6	22 X 6	22 X 6	22 X 6
Net Weight	lbs(kg)	2537(1153)	2801(1273)	2867(1303)	3302(1501)	3632(1651)
Gross Weight	lbs(kg)	3024(1375)	3304(1502)	3370(1532)	3806(1730)	4151(1887)
Volume	ft³(m³)	117.6(3.331)	123.08(3.486)	123.14(3.487)	123.99(3.511)	129.43(3.666)

6 POLE

# Accessories

## Horizontal split case pumps

THSC

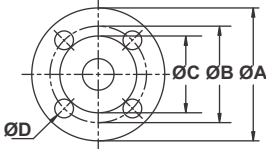
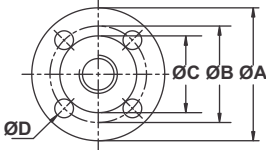
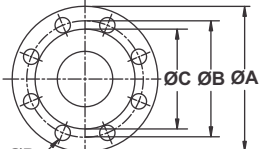
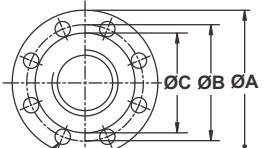
### Counter flanges

#### Cast iron pumps (version-A,B,C,D)

For threaded connection, flanges are made of cast iron.

For welding connection, flanges are made of carbon steel.

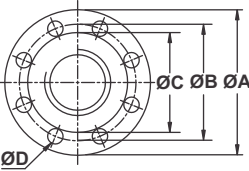
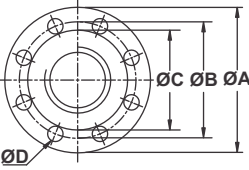
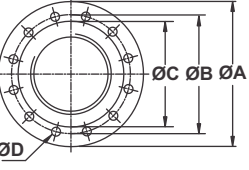
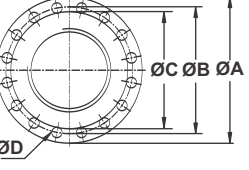
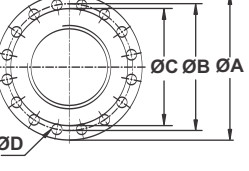
A set consist of one counter flange, one gasket of rubber material and the requisite number of bolts and nuts.

Counter flange	Flange size	Description		A	B	C	ØDxQty. of Holes	Pipework connection	Product number
	2	Threaded	ANSI 125	Ø5.91	Ø4.76	-	Ø0.75X4	2 NPT	0503T*
			ANSI 250	Ø6.50	Ø5.00	Ø4.17	Ø0.75X8		0504T*
			PN 16	Ø6.50	Ø4.92	Ø4.02	Ø0.70X4	2 BSP**	0501T*
			PN 25	Ø6.50	Ø4.92	Ø4.02	Ø0.70X4		0502T*
		For welding	ANSI 125	Ø5.91	Ø4.76	-	Ø0.75X4	2	0503W*
			ANSI 250	Ø6.50	Ø5.00	Ø4.17	Ø0.75X8		0504W*
			PN 16	Ø6.50	Ø4.92	Ø4.02	Ø0.70X4		0501W*
			PN 25	Ø6.50	Ø4.92	Ø4.02	Ø0.70X4		0502W*
	2½	Threaded	ANSI 125	Ø7.09	Ø5.51	-	Ø0.75X4	2½ NPT	0653T*
			ANSI 250	Ø7.48	Ø5.87	Ø4.92	Ø0.87X8		0654T*
			PN 16	Ø7.28	Ø5.71	Ø4.80	Ø0.70X4	2½ BSP**	0651T*
			PN 25	Ø7.28	Ø5.71	Ø4.80	Ø0.70X8		0652T*
		For welding	ANSI 125	Ø7.09	Ø5.51	-	Ø0.75X4	2½	0653W*
			ANSI 250	Ø7.48	Ø5.87	Ø4.92	Ø0.87X8		0654W*
			PN 16	Ø7.28	Ø5.71	Ø4.80	Ø0.70X4		0651W*
			PN 25	Ø7.28	Ø5.71	Ø4.80	Ø0.70X8		0652W*
	3	Threaded	ANSI 125	Ø7.48	Ø5.98	-	Ø0.75X4	3 NPT	0803T*
			ANSI 250	Ø8.27	Ø6.61	Ø5.67	Ø0.87X8		0804T*
			PN 16	Ø7.87	Ø6.30	Ø5.43	Ø0.70X8	3 BSP**	0801T*
			PN 25	Ø7.87	Ø6.30	Ø5.43	Ø0.70X8		0802T*
		For welding	ANSI 125	Ø7.48	Ø5.98	-	Ø0.75X4	3	0803W*
			ANSI 250	Ø8.27	Ø6.61	Ø5.67	Ø0.87X8		0804W*
			PN 16	Ø7.87	Ø6.30	Ø5.43	Ø0.70X8		0801W*
			PN 25	Ø7.87	Ø6.30	Ø5.43	Ø0.70X8		0802W*
	4	Threaded	ANSI 125	Ø9.06	Ø7.52	-	Ø0.75X8	4 NPT	1003T*
			ANSI 250	Ø10.04	Ø7.87	Ø6.93	Ø0.87X8		1004T*
			PN 16	Ø9.25	Ø7.09	Ø6.22	Ø0.70X8	4 BSP**	1001T*
			PN 25	Ø9.25	Ø7.48	Ø6.22	Ø0.86X8		1002T*
		For welding	ANSI 125	Ø9.06	Ø7.52	-	Ø0.75X8	4	1003W*
			ANSI 250	Ø10.04	Ø7.87	Ø6.93	Ø0.87X8		1004W*
			PN 16	Ø9.25	Ø7.09	Ø6.22	Ø0.70X8		1001W*
			PN 25	Ø9.25	Ø7.48	Ø6.22	Ø0.86X8		1002W*

# Accessories

## Horizontal split case pumps

# THSC

Counter flange	Flange size	Description		A	B	C	ØDxQty. of Holes	Pipework connection	Product number
	5	Threaded	ANSI 125	Ø10.04	Ø8.50	-	Ø0.87X8	5 NPT	1253T*
			ANSI 250	Ø11.02	Ø9.25	Ø8.31	Ø0.87X8		1254T*
			PN 16	Ø10.63	Ø8.27	Ø7.40	Ø0.70X8	5 BSP**	1251T*
			PN 25	Ø10.63	Ø8.66	Ø7.40	Ø0.98X8		1252T*
		For welding	ANSI 125	Ø10.04	Ø8.50	-	Ø0.87X8	5	1253W*
			ANSI 250	Ø11.02	Ø9.25	Ø8.31	Ø0.87X8		1254W*
			PN 16	Ø10.63	Ø8.27	Ø7.40	Ø0.70X8		1251W*
			PN 25	Ø10.63	Ø8.66	Ø7.40	Ø0.98X8		1252W*
	6	Threaded	ANSI 125	Ø11.02	Ø9.49	-	Ø0.87X8	6 NPT	1503T*
			ANSI 250	Ø12.60	Ø10.63	Ø9.69	Ø0.87X12		1504T*
			PN 16	Ø11.81	Ø9.45	Ø8.35	Ø0.86X8	6 BSP**	1501T*
			PN 25	Ø11.81	Ø9.84	Ø8.35	Ø0.98X8		1502T*
		For welding	ANSI 125	Ø11.02	Ø9.49	-	Ø0.87X8	6	1503W*
			ANSI 250	Ø12.60	Ø10.63	Ø9.69	Ø0.87X12		1504W*
			PN 16	Ø11.81	Ø9.45	Ø8.35	Ø0.86X8		1501W*
			PN 25	Ø11.81	Ø9.84	Ø8.35	Ø0.98X8		1502W*
	8	Threaded	ANSI 125	Ø13.58	Ø11.77	-	Ø0.87X8	8 NPT	2003T*
			ANSI 250	Ø14.96	Ø12.99	Ø11.93	Ø1.13X12		2004T*
			PN 16	Ø14.17	Ø11.61	Ø10.55	Ø0.86X12	8 BSP**	2001T*
			PN 25	Ø14.17	Ø12.20	Ø10.55	Ø0.98X12		2002T*
		For welding	ANSI 125	Ø13.58	Ø11.77	-	Ø0.87X8	8	2003W*
			ANSI 250	Ø14.96	Ø12.99	Ø11.93	Ø1.13X12		2004W*
			PN 16	Ø14.17	Ø11.61	Ø10.55	Ø0.86X12		2001W*
			PN 25	Ø14.17	Ø12.20	Ø10.55	Ø0.98X12		2002W*
	10	Threaded	ANSI 125	Ø15.94	Ø14.25	-	Ø1X12	10 NPT	2503T*
			ANSI 250	Ø17.52	Ø15.24	Ø14.06	Ø1.25X16		2504T*
			PN 16	Ø16.73	Ø13.98	Ø12.60	Ø0.98X12	10 BSP**	2501T*
			PN 25	Ø16.73	Ø14.57	Ø12.60	Ø1.14X12		2502T*
		For welding	ANSI 125	Ø15.94	Ø14.25	-	Ø1X12	10	2503W*
			ANSI 250	Ø17.52	Ø15.24	Ø14.06	Ø1.25X16		2504W*
			PN 16	Ø16.73	Ø13.98	Ø12.60	Ø0.98X12		2501W*
			PN 25	Ø16.73	Ø14.57	Ø12.60	Ø1.14X12		2502W*
	12	Threaded	ANSI 125	Ø19.09	Ø17.00	-	Ø1X12	12 NPT	3003T*
			ANSI 250	Ø20.47	Ø17.76	Ø16.46	Ø1.25X16		3004T*
			PN 16	Ø19.09	Ø16.14	Ø14.88	Ø0.98X12	12 BSP**	3001T*
			PN 25	Ø19.09	Ø16.93	Ø14.88	Ø1.14X12		3002T*
		For welding	ANSI 125	Ø19.09	Ø17.00	-	Ø1X12	12	3003W*
			ANSI 250	Ø20.47	Ø17.76	Ø16.46	Ø1.25X16		3004W*
			PN 16	Ø19.09	Ø16.14	Ø14.88	Ø0.98X12		3001W*
			PN 25	Ø19.09	Ø16.93	Ø14.88	Ø1.14X12		3002W*

\* Add a subscript as per following example to part number.

0321TCI for cast iron flanges.

0321WCS for carbon steel flanges.

\*\* NPT threaded flanges are also available on request.

All dimensions in inches unless otherwise noted.





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