

SL1, SLV pumps

Generation C

1.5 to 15 hp

60 Hz



1. Introduction	3	11. Accessories	146
Introduction	3	Installation systems	146
Applications	3	Other accessories	147
Grundfos blueflux®	4	Level controllers	148
smartdesign	4		
2. Performance range	5	12. Grundfos Product Center	154
Performance range for SL1, SLV pumps	5	Grundfos GO	155
3. Identification	6		
Type key	6		
Nameplate	7		
4. Selection of product	8		
Ordering a pump	8		
5. Variants	9		
List of variants	9		
6. Construction	10		
SL1	10		
SLV	14		
Material specification, SL1 and SLV standard	18		
Material specification, SLV Q variants	19		
7. Product description	20		
Features	20		
Operating conditions	22		
Motor range	23		
Pump controllers	23		
Variable-speed operation	23		
SL 61 R voltage variant	24		
Wiring diagrams	25		
8. Curve charts and technical data	27		
How to read the curve charts	28		
Curve conditions	29		
Performance tests	29		
Certificates	29		
Witness test	29		
9. Product range	30		
SL1 pump range	30		
SLV pump range	32		
10. Performance curves and technical data	38		
SL1.20.A25	38		
SL1.20.A30	44		
SL1.30.A30	50		
SL1.30.A40	62		
SL1.40.A40	74		
SL1.40.A60	80		
SLV.25.A25	86		
SLV.25.A30	92		
SLV.30.A30	98		
SLV.30.A40	118		
SLV.40.A40	138		

1. Introduction

Introduction

This data booklet deals with Grundfos submersible wastewater and sewage pumps, types SL1 and SLV.

Two types of pumps are available:

- SL1 pumps with S-tube® impeller
- SLV pumps with SuperVortex (free-flow) impeller.



TM04 3597 4708 - TM04 3598 4708

Fig. 1 SL1 (S-tube®) and SLV (SuperVortex) pumps



The S-tube® impeller is the only impeller available in the wastewater market that compromises neither efficiency nor free passage through the pump.

S|tube

The pumps are SuperVortex or S-tube® impeller pumps specifically designed for pumping sewage and wastewater in a wide range of municipal, private and industrial applications.

The pumps are made of resistant materials, such as cast iron and stainless steel. These materials ensure long and reliable operation.

The pumps are fitted with motors from 1.5 hp up to and including 15 hp (1.1 to 11 kW). The motors are either 2- or 4-pole motors, depending on the motor size.

The free passage in the pumps is 2-4" (50-100 mm)

The pumps are available for:

- submerged installation on auto-coupling system
- submerged installation, free-standing.

Applications

Typical applications are transfer of liquids, such as:

- municipal wastewater
- wastewater with a high content of fibers (SuperVortex impeller)
- drainage and surface water
- domestic wastewater
- industrial wastewater
- process and cooling water.

The pumps are ideal for pumping the above liquids from for instance:

- municipal network pumping stations
- inlet pumping stations in wastewater treatment plants
- primary clarification in wastewater treatment plants
- secondary clarification in wastewater treatment plants
- stormwater pumping stations
- public buildings
- residential buildings
- factories/industry.

Grundfos blueflux®



Grundfos blueflux® guarantees the highest motor efficiency from Grundfos. Every aspect of the technology driving a Grundfos blueflux® motor has been developed to meet the actual needs of the application for which the pump system or solution is installed - and always with an emphasis on reliability and efficiency.

A pump system or solution with a Grundfos blueflux® motor has a considerably higher total efficiency than comparable solutions and reduces life cycle costs substantially. The combination of motor technology, advanced pump design and speed control ensures superior system control, reduced day-to-day service costs and lower environmental impact.

Grundfos blueflux® represents a range of skills and innovative processes that Grundfos brings to motor technology development. Grundfos was instrumental in the drafting and passing of the EuP Directive, setting the ecodesign requirements for electric motors in the European Union.

As a technological leader within high-efficiency motors, Grundfos was invited to help with the technical aspects of the legislation. Grundfos was able to create political awareness of the huge savings potential of variable speed motors and, at a later stage, influence the decision-makers to include variable-frequency drives in the new legislation. As a consequence, Europe's annual power consumption will be reduced by 5 % by 2020 - about ten times more than originally planned before Grundfos intervened.

The Grundfos blueflux® label guarantees that the motor technology used is ahead of current market standards and either meets or exceeds legislative requirements for motor efficiency, where these apply.

smartdesign



smartdesign

smartdesign describes the functional design of our products that combines elegant appearance with smart features, created with customer needs in mind. smartdesign does not only look good; the design also makes installation, operation and maintenance of the product easier and more user-friendly.

The smartdesign features of our SL1 and SLV pumps include:

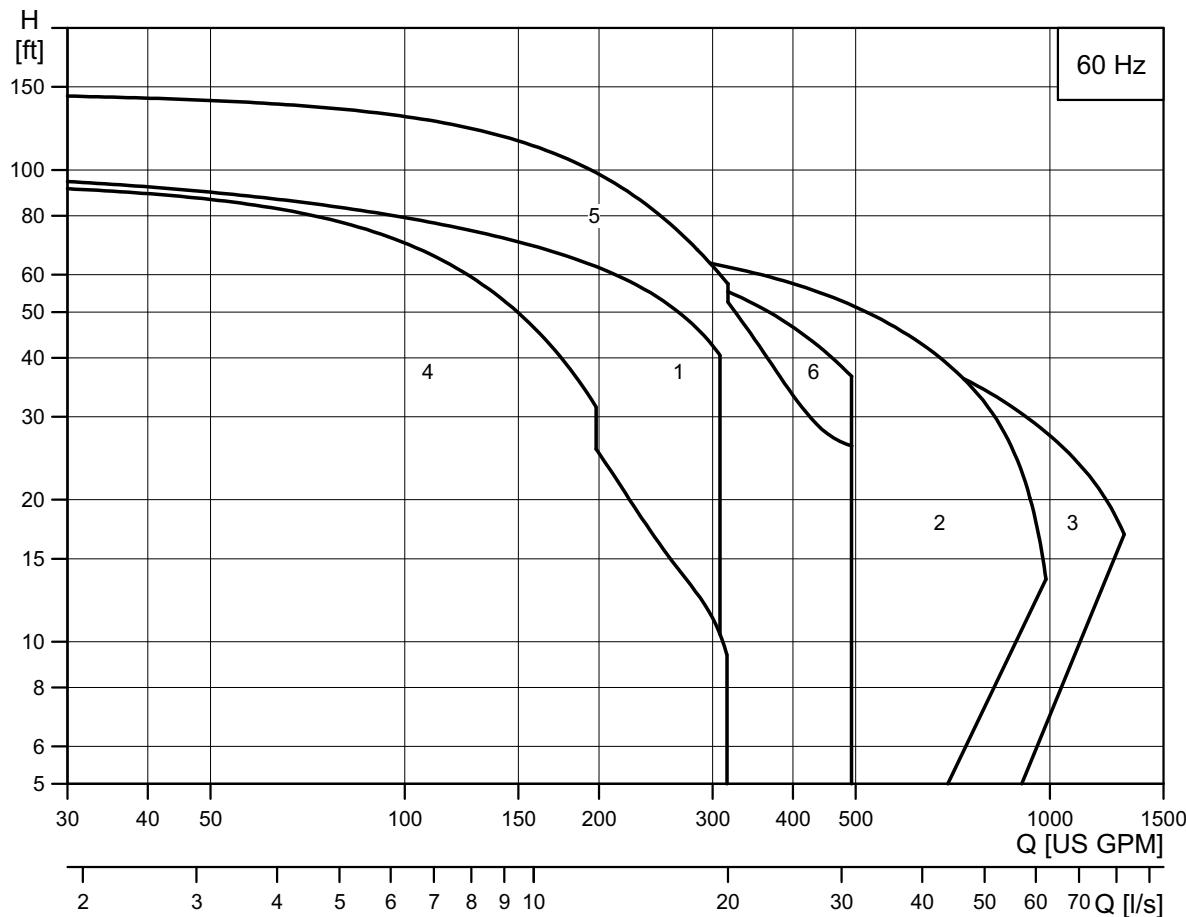
- moisture-proof cable plug connection made of corrosion-resistant stainless steel with conductors embedded in polyurethane sealant
- stainless steel clamp connection between motor housing and pump housing for easy service.
- power cable incorporating wires for thermal sensors in the motor windings
- no extra cable required for sensors in pumps with sensors
- monitoring of operating conditions for pumps with sensors
- moisture detector for continuous monitoring of motor enclosure and automatic cut-out in case of leakage
- heavy-duty bearings greased for life
- built for variable-frequency operation
- smooth pump surface prevents dirt and impurities from sticking to the pump
- self-cleaning S-tube® impeller with a long vane reducing the risk of jamming or clogging, or Super-Vortex impeller with high pumping efficiency and less downtime
- explosion-proof motors for potentially explosive environments (FM-approved pumps)
- motor in insulation class H (356 °F (180 °C)), enclosure class IP68 with one thermal sensor in each phase
- temperature rise class A
- service-friendly design:
 - clamp connection between motor and pump housing
 - double mechanical cartridge shaft seal
 - cable connection to motor via plug.
- motor built of highly efficient components, offering lower motor temperature and longer life.

2. Performance range

Performance range for SL1, SLV pumps

The figure below shows the performance range of SL1 and SLV sewage and wastewater pumps. It gives an overview of the various sizes and impeller types.

Note: For information about the performance range of each individual pump, see pages 38 to 145.



TM04 7578 2014

Pump type	Curve no.
SL1.20.A25.30	
SL1.20.A25.40	
SL1.20.A25.55	
SL1.20.A30.30	1
SL1.20.A30.40	
SL1.20.A30.55	
SL1.30	2
SL1.40	3

Pump type	Curve no.
SLV.25.A25.30	
SLV.25.A25.40	
SLV.25.A25.55	
SLV.25.A30.30	4
SLV.25.A30.40	
SLV.25.A30.55	
SLV.30	5
SLV.40	6

If your required duty point exceeds the performance range above, please see the Grundfos SE, SL or S range data booklets available online via Grundfos Product Center.

3. Identification

The pump can be identified by means of the type designation. The type designation is stated on the nameplate on the pump. The example below shows the following:

- S-tube® pump with 3" free spherical passage and 3" ANSI outlet.
- motor with 5.5 shaft horsepower, sensor version, explosion-proof version, 4-pole, for 3 x 230 V Δ / 460 V Y dual voltage, direct-on-line starting.

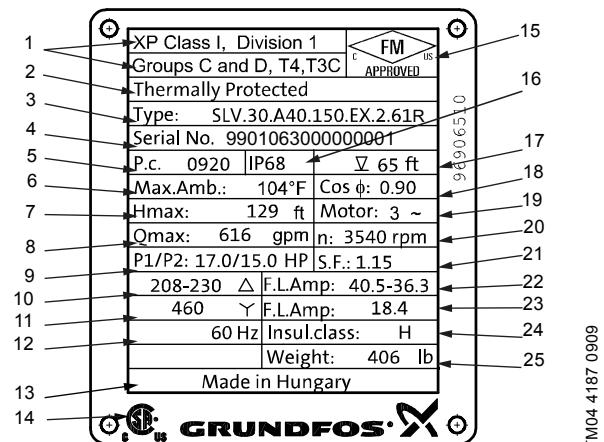
Type key

SL1, SLV

Code	Example	SL	1	30.	A30.	55.	A.	Ex.	4.	6.	1R	C.
SL	Pump type: Grundfos wastewater pump											
1	Impeller type: S-tube® impeller											
V	SuperVortex (free-flow) impeller											
20	Free spherical passage: Code number from type key / 10 [in.] 2" (50 mm)											
25	2.5" (65 mm)											
30	3" (80 mm)											
40	4" (100 mm)											
A25	Pump outlet (outlet port in inches): ANSI 2.5" (DN 65)											
A30	ANSI 3" (DN 80)											
A40	ANSI 4" (DN 100)											
A60	ANSI 6" (DN 150)											
55	Motor power, P2: Code number from type key / 10 [hp] 5.5 hp = 4.0 kW											
Blank	Sensor version: Standard											
A	Sensor version											
Blank	Pump version: Non-explosion-proof pump (standard)											
Ex	Explosion-proof pump											
2	Number of poles: 2-pole											
4	4-pole											
6	Frequency: 60 Hz											
0J	Voltage and starting method: 3 x 208-230 V Δ direct-on-line starting											
1H	3 x 460 V Δ star-delta starting											
0L	3 x 575 V Δ direct-on-line starting											
1L	3 x 575 V Δ star-delta starting											
1R	3 x 230 V Δ / 460 V Y direct-on-line starting											
Blank	Product generation: 1st generation											
A	2nd generation											
B	3rd generation											
C	4th generation											
Blank	Pump materials: Cast iron impeller, pump housing and motor housing											
Q	Stainless steel impeller (according to 316/351 CF8m), cast iron pump housing and motor housing											
Blank	Customization: Standard range pump											
Z	Custom-built pump											

Note: The pump types are not available in all variants.

Nameplate



TM04 4187 0909

Fig. 2 Nameplate

Pos.	Description
1	Explosion protection classification
2	Thermally protected
3	Type designation
4	Serial number
5	Production code (year/week)
6	Maximum ambient temperature
7	Maximum head
8	Maximum flow rate
9	Rated input/output power
10	Rated voltage, D
11	Rated voltage, Y
12	Frequency
13	Country of production
14	CSA mark
15	FM mark
16	Enclosure class to IEC
17	Maximum installation depth
18	Power factor
19	Number of phases
20	Rated speed
21	Service factor
22	Full load current, D
23	Full load current, Y
24	Insulation class
25	Weight without cable

4. Selection of product

Ordering a pump

When ordering a pump, you need to take the following five aspects into consideration:

1. pump type
2. custom-built variation (option)
3. explosion-proof version
4. accessories
5. pump controller.

Pump type

Use the following table to identify the type of pump that best meets your needs. The table is for guidance only.

Description	SL1	SLV
Liquid and operation characteristics		
Dry solids content up to 3 %	X	X
Dry solids content up to 5 %		X
Relatively low content of fibres and solids	X	X
Relatively high content of fibres and solids		X
Relatively low number of operating hours	X	X
Relatively high number of operating hours		X
Applications		
Stormwater	X	X
Groundwater	X	X
Drainage and surface water	X	X
Drainage and surface water with small impurities	X	X
Abrasive surface water	X	X
Wastewater with long fibres, e.g. from laundries	X	X
Domestic wastewater with discharge from toilets	X	X
Municipal sewage	X	X
Sewage from commercial buildings	X	X
Industrial process water with fibres/solids		X
Industrial process water with solids	X	X
Industrial process water without solids and fibres	X	

When you have selected the pump type, you can identify the specific pump that best meets your needs in [Product range](#) on page 30 and [Type key](#) on page 6. The list below is a detailed description of the product you get if you order the following pump:

Pump	Product no
SLV.25.A25.30.2.61H.C	98634243

- pump as specified in the type key
- 49 ft (15 m) cable
- paint: NCS 9000N black (RAL 9005), gloss code 30, thickness 100 µm
- thermal switch in stator windings
- tested according to Hydraulic Institute Centrifugal pump test ANSI/HI 11.6:2012 Grade 3B.

See [Performance curves and technical data](#) for selection of a standard pump.

Note: Product-specific data for the pump can also be found in online via Grundfos Product Center using the product number 98634243.

Custom-built variants

The pumps can be customized to meet individual requirements. Many pump features and options are available for customization, such as explosion-proof versions, various cable lengths or special materials. Variants can be seen in the table in [on page 9](#). For requirements or designs outside not included in this table, please contact Grundfos.

Explosion-proof version

The entire range is available in explosion-proof versions.

The SL1 and SLV pumps have the following explosion protection classification: Class I, Division 1, Groups C and D, T4, T3, IP68.

Accessories

Depending on the installation type, accessories may be required. See [Installation systems](#) on page 146 for selection of the correct accessories.

Note: Ordered accessories are not fitted from factory, but need to be fitted on site.

Pump controller



TM06 0918 1214

Fig. 3 Grundfos Dedicated Controls

Grundfos Dedicated Controls is a control system designed for installation in either commercial buildings or network pumping stations with one to six pumps. As standard, the system comes with application-optimized software and can be configured to meet your specific pumping needs.

For further information about Grundfos Dedicated Controls, see page 23.

5. Variants

List of variants

Motor

Various cable lengths	Note: When using a different cable length than the standard lengths (i.e. 33 ft and 49 ft), a new cable cross section must be calculated	33 ft (10 m)
		65 ft (20 m)
		80 ft (25 m)
		100 ft (30 m)
		130 ft (40 m)
EMC power cables	Screened power cables for variable-speed drives	33 ft (10 m)
		50 ft (15 m)
		65 ft (20 m)
		80 ft (25 m)
		100 ft (30 m)
		130 ft (40 m)

Tests

Test at specified duty on standard impeller curve		
Trimmed impeller for specified duty test*		
Additional test of entire QH curve (including report)	Duty points from pump performance curve	
Different test standard	Efficiency guaranteed by Grundfos	ANSI/HI 11.6:2012 grade 1B tolerance ANSI/HI 11.6:2012 grade 1U tolerance ANSI/HI 11.6:2012 grade 2B tolerance ANSI/HI 11.6:2012 grade 2U tolerance ANSI/HI 11.6:2012 grade 3B tolerance
Customer-specified duty point	Test according to customer-specified duty point on standard pump curve	Contact Grundfos
Vibration test (including report)	According to Grundfos factory quality standard	
String test	Contact Grundfos	
Witness test	Contact Grundfos	

Certificates

FM-approved pump report	Special Grundfos report. Contact Grundfos	
Certificate of compliance with order	According to EN10204 2.1	
Pump certificate	According to EN10204 2.2	According to ANSI/HI 11.6:2012 grade 3B and 2 and 1
Inspection certificate	According to EN10204 3.1	
Material specification report	According to EN10204 3.1B	
Material report with certificate	According to EN10204 3.2	Material supplier information
Inspection certificate, Lloyd's Register	According to EN10204 3.2	
Inspection certificate, DNV (Det Norske Veritas)	According to EN10204 3.2	
Inspection certificate, Germanischer Lloyd	According to EN10204 3.2	
Inspection certificate, American Bureau of Shipping	According to EN10204 3.2	
Inspection certificate, Bureau Veritas	According to EN10204 3.2	
Registro Italiano Navale Argenture	According to EN10204 3.2	
Other third-party test certificates	Contact Grundfos	

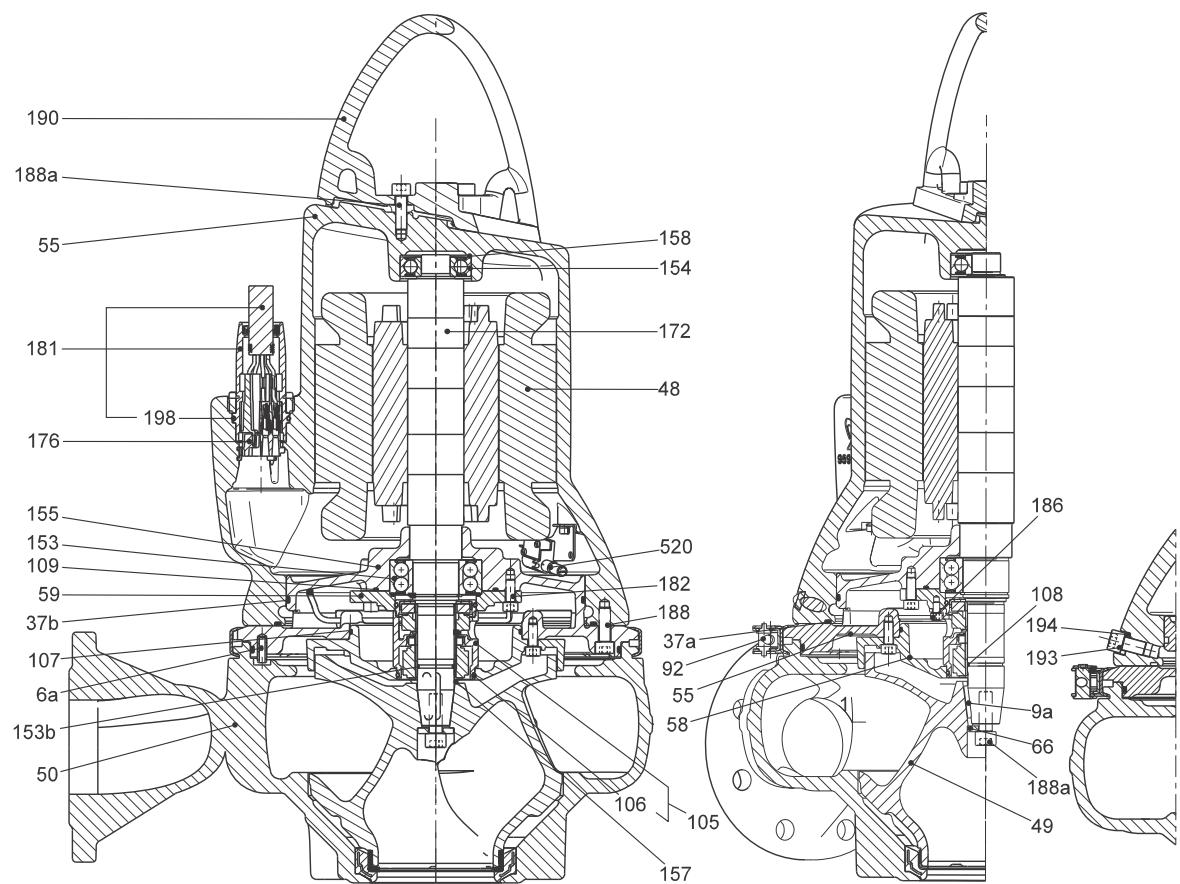
Miscellaneous

Solution	Customer benefits	
FKM sealing (optional)	<ul style="list-style-type: none"> • Resistant to acids • Resistant to mineral oils and vegetable oils • Resistant to most solvents (toluene, petrol, trichloroethylene etc.) 	Contact Grundfos
Cable protection hose	<ul style="list-style-type: none"> • Resistant to acids • Resistant to most oils • Resistant to most solvents etc. 	Contact Grundfos
Stainless steel SuperVortex impeller according to EN AISI 316	Increased wear resistance	Contact Grundfos
Ceramic coating of impeller and pump housing	<ul style="list-style-type: none"> • Reduced wear rate of cast iron parts • Increased corrosion resistance • Beneficial in case of low number of operating hours 	Contact Grundfos
Extra epoxy coating 300 µm		Contact Grundfos
Top coating (black RAL9005, red RAL 3000 and other colors)		Contact Grundfos
Special packaging		Contact Grundfos
Special nameplate		Contact Grundfos
Other variants		Contact Grundfos

* SLV impellers can be trimmed on request.

6. Construction

SL1



TM061071154

Fig. 4 Sectional drawing, SL1 pump, standard version

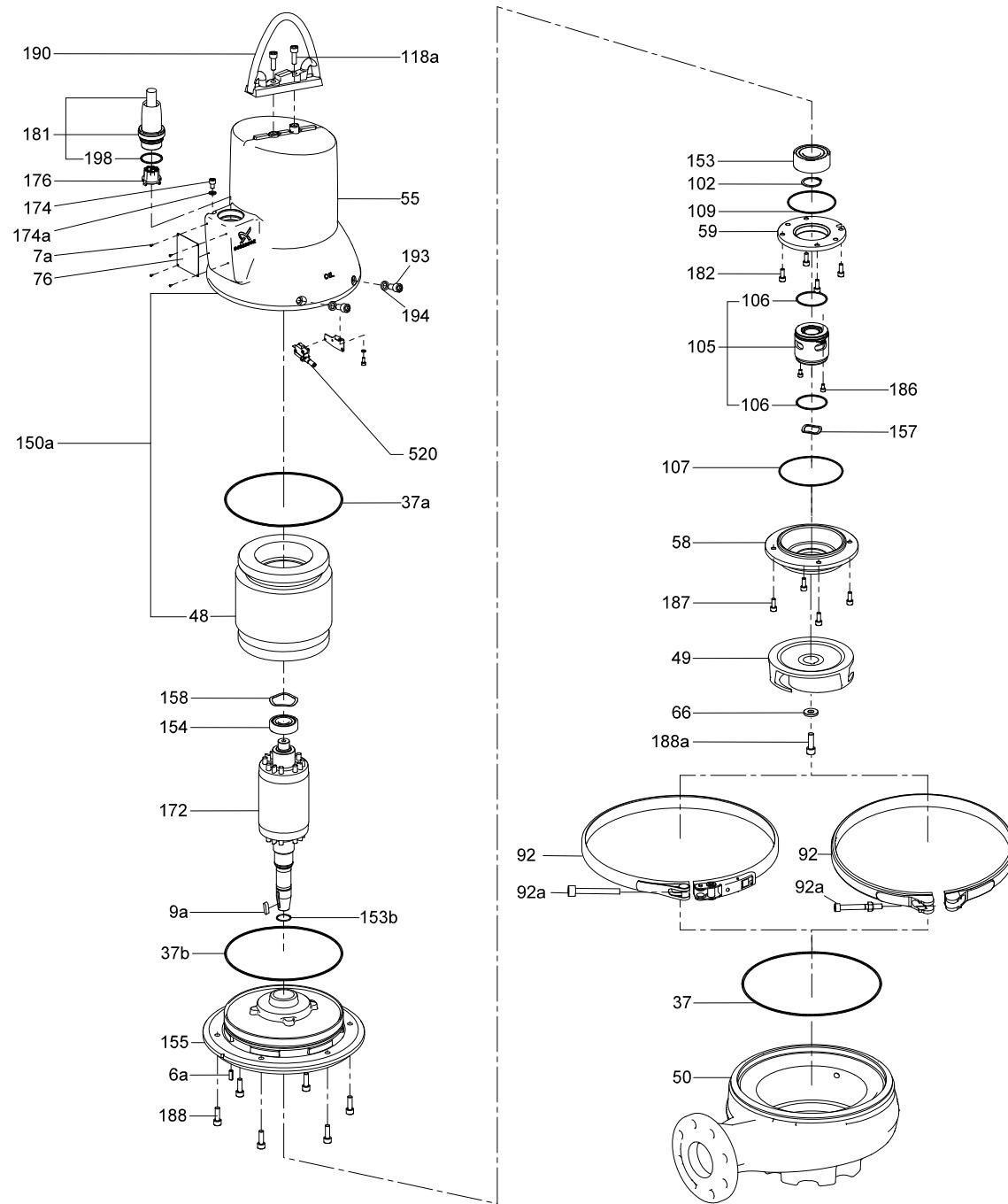
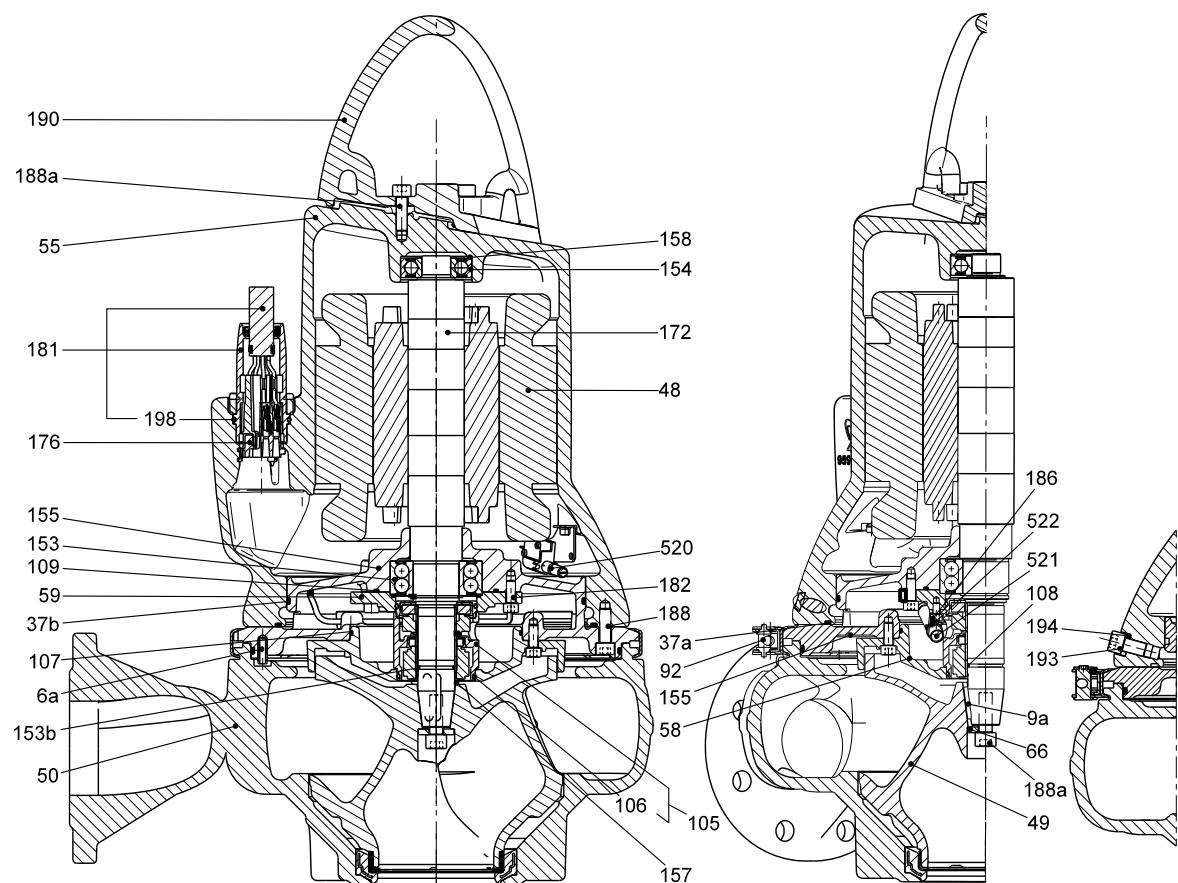


Fig. 5 Exploded view, SL1 pump, standard version

TM06 5983 0216



TM04-22881009

Fig. 6 Sectional drawing, SL1 pump, sensor version

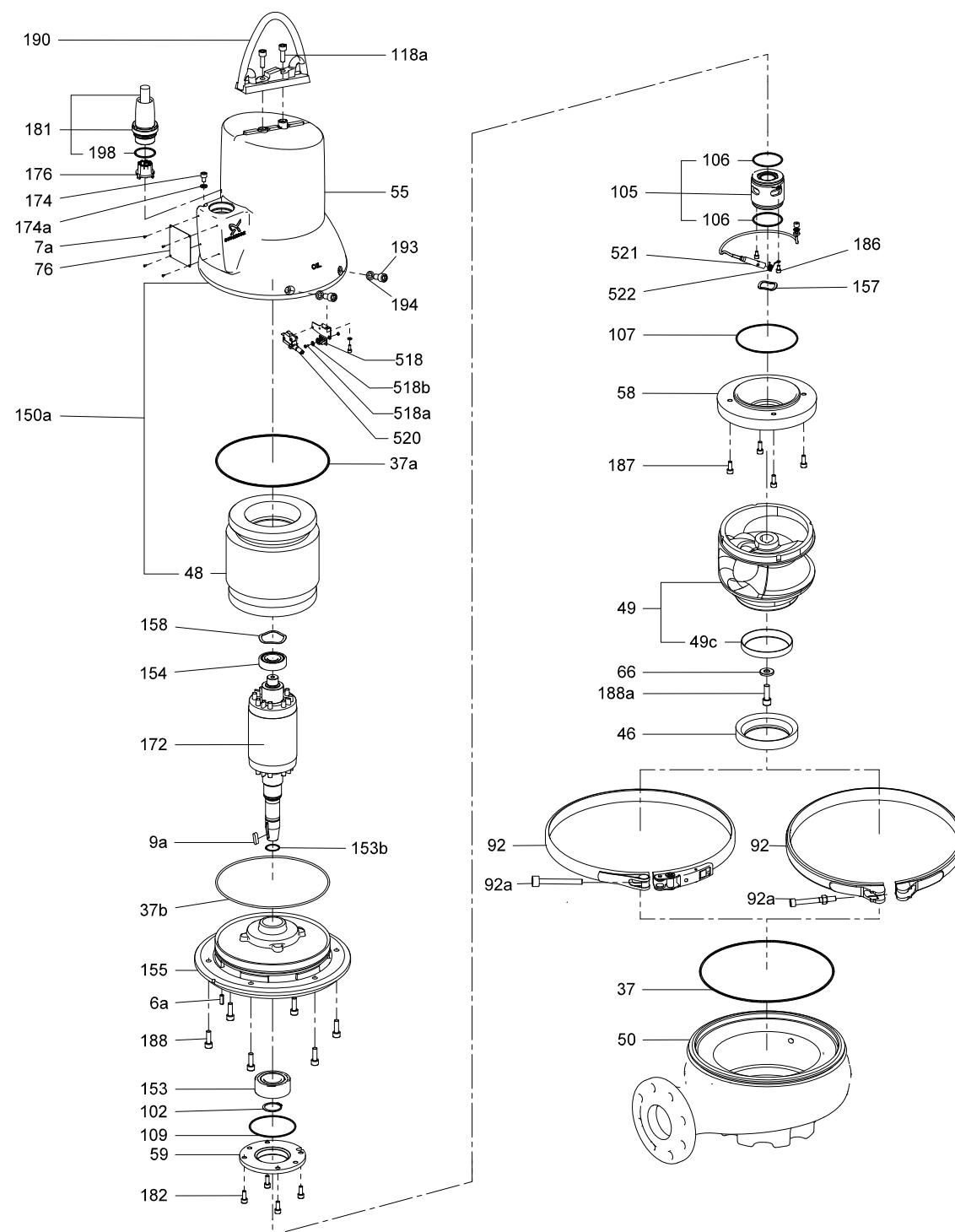
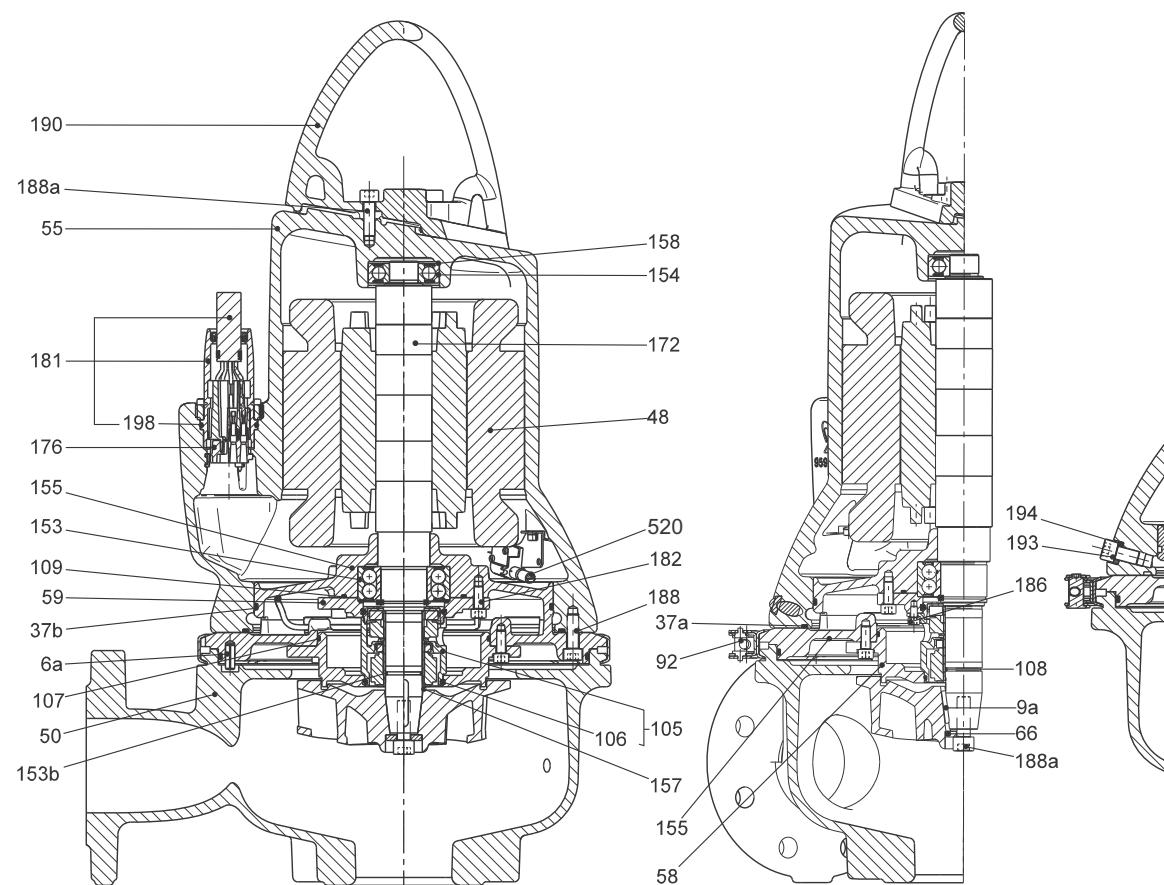


Fig. 7 Exploded view, SL1 pump, sensor version

TIM06 59420216

SLV



TM061107221514

Fig. 8 Sectional drawing, SLV pump, standard version

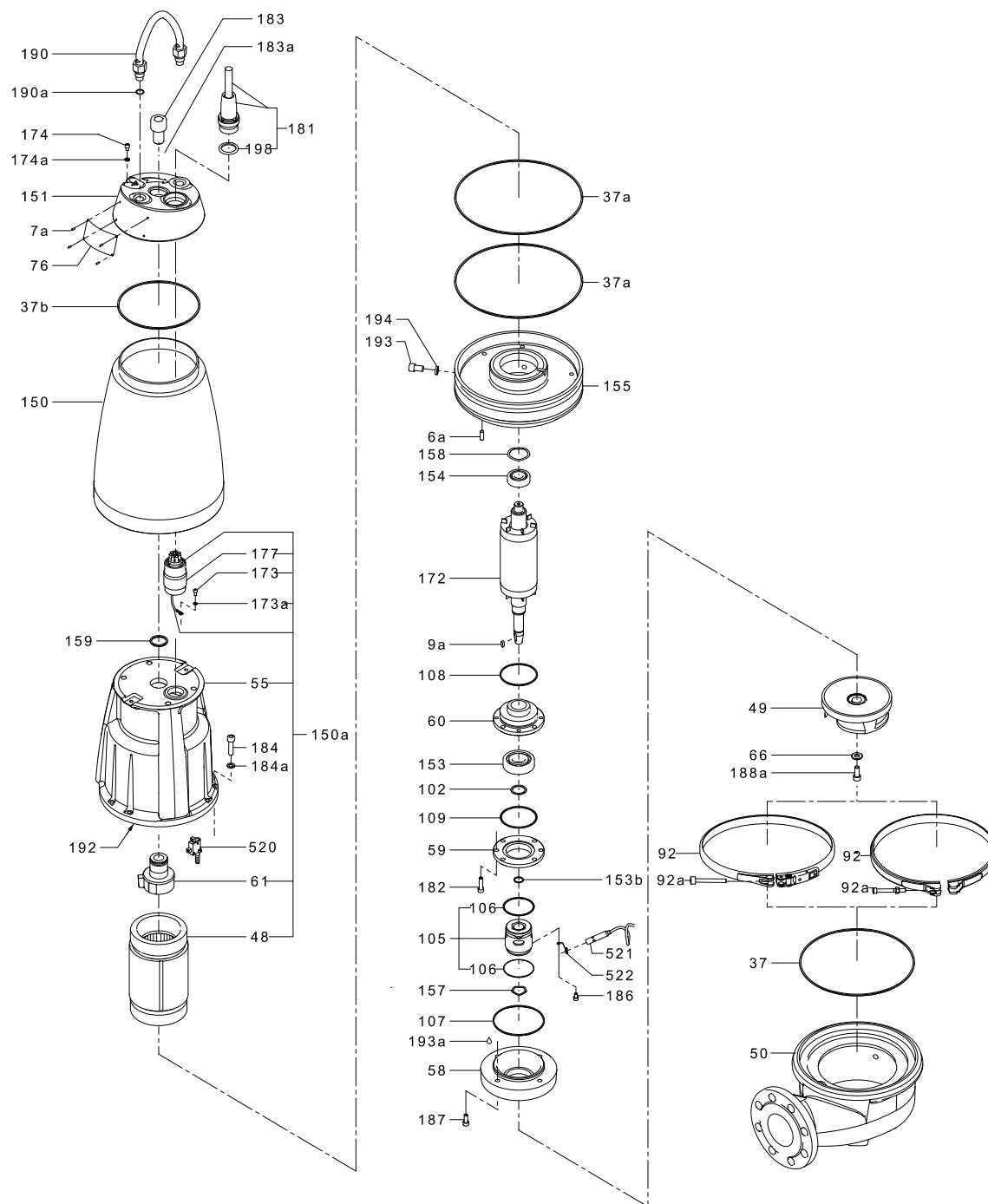
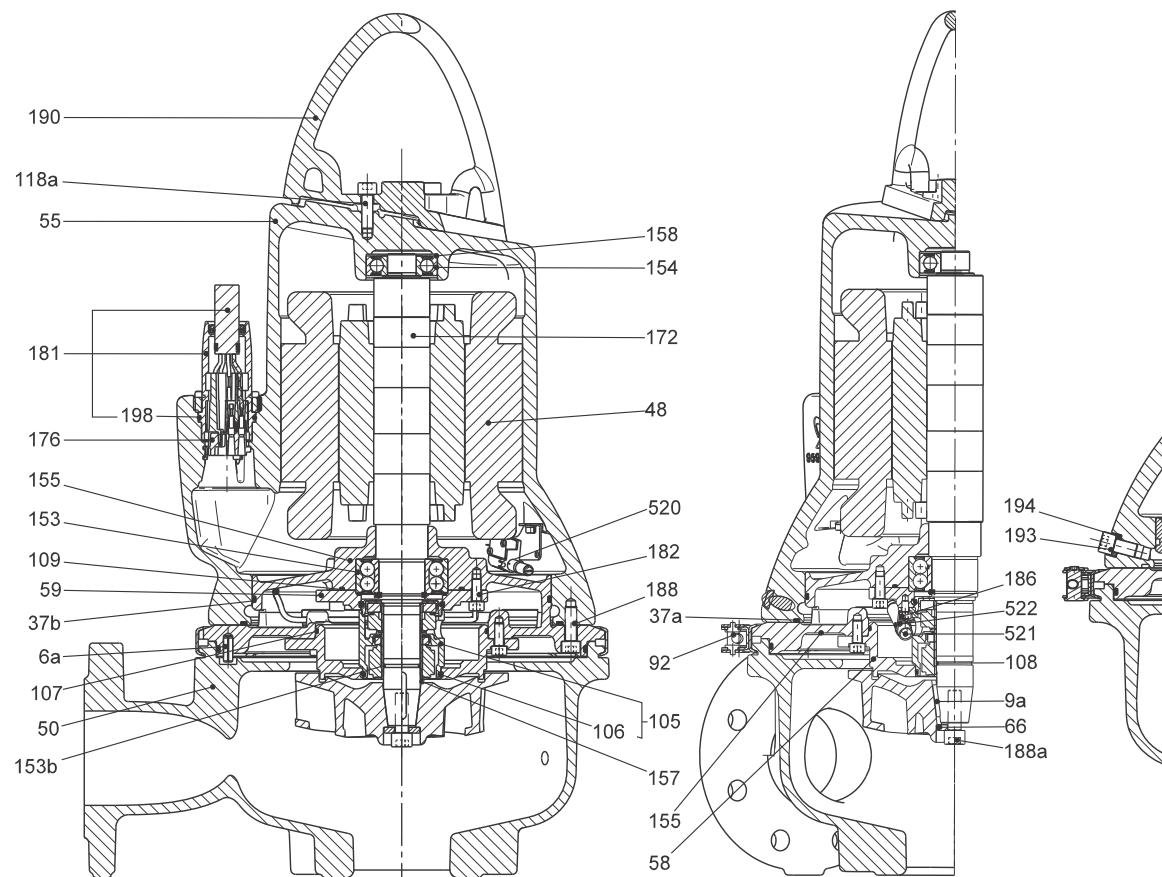


Fig. 9 Exploded view, SLV pump, standard version

TIM06 5983 0216



TM00427892908

Fig. 10 Sectional drawing, SLV pump, sensor version

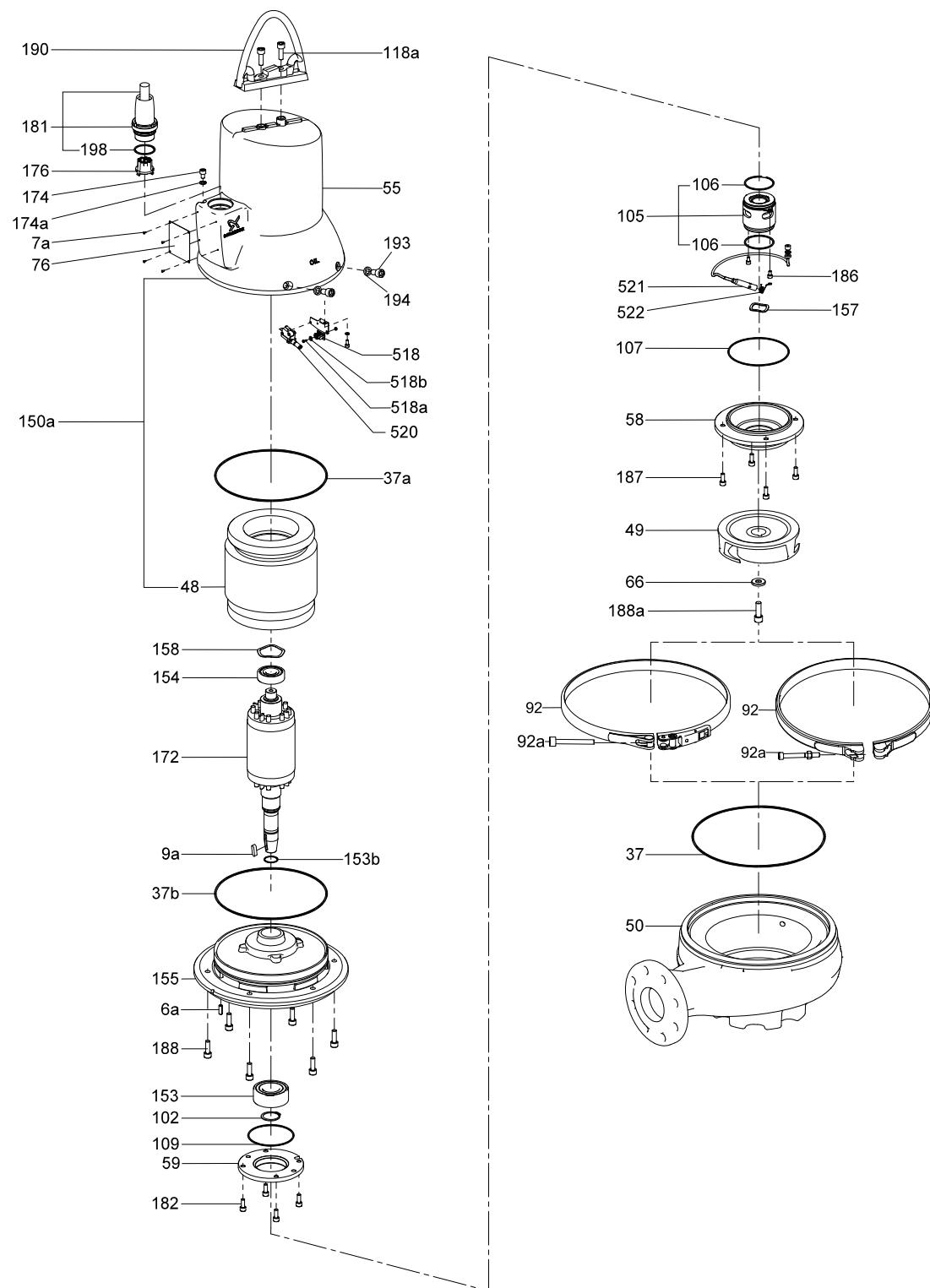


Fig. 11 Exploded view, SLV pump, sensor version

TM06 5984 0216

Material specification, SL1 and SLV standard

Pos.	Component	Material	DIN W.-Nr. / EN standard	AISI/ASTM
6a	Tubular pin, D8 x 22 A2	Stainless steel	1.4301	304
7a	Blank rivet, 2.4 x 6 A2	Stainless steel	1.4301	304
9a	Key	Stainless steel	1.4301	304
37	O-ring	NBR rubber		
37a	O-ring	NBR rubber		
37b	O-ring	NBR rubber		
46	Seal ring, inlet	NBR rubber/stainless steel	1.4301	304
48	Stator package			
49	SuperVortex impeller	Cast iron EN-GJL-250	5.1301	ASTM A48 Class 40B
	S-tube® impeller	Cast iron, EN-GJL-250	5.1301	ASTM A48 Class 40B
49c	Wear ring, impeller	Stainless steel	1.4301	304
50	Pump housing	Cast iron EN-GJL-250	5.1301	ASTM A48 Class 40B
55	Stator housing	Cast iron EN-GJL-250	5.1301	ASTM A48 Class 40B
58	Cover for oil chamber	Cast iron EN-GJL-250	5.1301	ASTM A48 Class 40B
59	Bearing cover	Cast iron EN-GJL-250	5.1301	ASTM A48 Class 40B
66	Washer	Stainless steel	1.4436	316
76	Nameplate	Stainless steel	1.4401	316
92	Clamp	Stainless steel	1.4401	316
92a	Screw	Stainless steel	1.4436	316
102	Circlip			
105	Shaft seal complete (rotating part of MG1/25-G60 Q1Q1PGG, stationary part of MG1/25-G60 Q1Q1PGG; rotating part of BT-AR/25 BXPFF, stationary part of BT-AR/25 BXPFF)	Stainless steel, SiC/SiC Carbon/ceramic		
106	O-ring for shaft seal	NBR rubber		
107	O-ring (cover for oil chamber)	NBR rubber		
108	O-ring for shaft seal	NBR rubber		
109	O-ring for bearing cover D-end	NBR rubber		
118a	Screw	Stainless steel	1.4436	316
150a	Stator housing complete with stator			
153	Bearing, D-end	Stainless steel		
153b	O-ring	NBR rubber		
154	Bearing, N-end	Stainless steel		
155	Oil chamber	Cast iron EN-GJL-250	5.1301	ASTM A48 Class 40B
157	Corrugated spring (bearing D-end)	Stainless steel		
158	Corrugated spring (bearing N-end)	Stainless steel		
172	Shaft with rotor	Regular iron/stainless steel	1.0570 1.4401	316
174	Earth screw, external	Stainless steel		
174a	Washer for external earth screw	Stainless steel		
176	Connector set (internal part)			
181	Cable with outer plug part	7G2.5 + 3 x 1		
182	Screw	Stainless steel	1.4436	316
186	Screw	Stainless steel	1.4436	316
187	Screw	Stainless steel	1.4436	316
188	Screw	Stainless steel	1.4436	316
188a	Screw	Stainless steel	1.4436	316
190	Lifting bracket	Stainless steel	1.4308	CF8
193	Plug	Stainless steel	1.4436	316
194	Gasket			
198	O-ring	NBR rubber		
518	Transient barrier (only sensor versions)			
520	Moisture switch			
521	WIO sensor (only sensor versions)			
522	Bracket for WIO sensor (only sensor versions)	Stainless steel	1.4310	301

Material declaration:

Grey cast iron is manufactured according to EN 1561:1997.

Cast stainless steel is manufactured according to EN 10283:2010.

Conversion to other standards such as AISI/ASTM is normative, and products are not manufactured according to these.

Material specification, SLV Q variants

Pos.	Component	Material	DIN W.-Nr. / EN standard	AISI/ASTM
6a	Tubular pin, D8 x 22 A2	Stainless steel	1.4301	304
7a	Blank rivet, 2.4 x 6 A2	Stainless steel	1.4301	304
9a	Key	Stainless steel	1.4301	304
37	O-ring	NBR rubber		
37a	O-ring	NBR rubber		
37b	O-ring	NBR rubber		
46	Seal ring, inlet	NBR rubber/stainless steel	1.4301	304
48	Stator package			
49	SuperVortex impeller	Stainless steel	1.4408	316/351 CF8M
49c	Wear ring, impeller	Stainless steel	1.4301	304
50	Pump housing	Cast iron EN-GJL-250	5.1301	
55	Stator housing	Cast iron EN-GJL-250	5.1301	
58	Cover for oil chamber	Cast iron EN-GJL-250	5.1301	
59	Bearing cover	Cast iron EN-GJL-250	5.1301	
66	Washer	Stainless steel	1.4436	316
76	Nameplate	Stainless steel	1.4401	316
92	Clamp	Stainless steel	1.4401	316
92a	Screw	Stainless steel	1.4436	316
102	Circlip			
105	Shaft seal complete (rotating part of MG1/25-G60 Q1Q1PGG, stationary part of MG1/25-G60 Q1Q1PGG; rotating part of BT-AR/25 BXPFF, stationary part of BT-AR/25 BXPFF)	Stainless steel, SiC/SiC Carbon/ceramic		
106	O-ring for shaft seal	NBR rubber		
107	O-ring (cover for oil chamber)	NBR rubber		
108	O-ring for shaft seal	NBR rubber		
109	O-ring for bearing cover D-end	NBR rubber		
118a	Screw	Stainless steel	1.4436	316
150a	Stator housing complete with stator			
153	Bearing, D-end	Stainless steel		
153b	O-ring	NBR rubber		
154	Bearing, N-end	Stainless steel		
155	Oil chamber	Cast iron EN-GJL-250	5.1301	
157	Corrugated spring (bearing D-end)	Stainless steel		
158	Corrugated spring (bearing N-end)	Stainless steel		
172	Shaft with rotor	Regular iron/stainless steel	1.0570 1.4401	316
174	Earth screw, external	Stainless steel		
174a	Washer for external earth screw	Stainless steel		
176	Connector set (internal part)			
181	Cable with outer plug part	7G2.5 + 3 x 1		
182	Screw	Stainless steel	1.4436	316
186	Screw	Stainless steel	1.4436	316
187	Screw	Stainless steel	1.4436	316
188	Screw	Stainless steel	1.4436	316
188a	Screw	Stainless steel	1.4436	316
190	Lifting bracket	Stainless steel	1.4308	CF8
193	Plug	Stainless steel	1.4436	316
194	Gasket			
198	O-ring	NBR rubber		
518	Transient barrier (only sensor versions)			
520	Moisture switch			
521	WIO sensor (only sensor versions)			
522	Bracket for WIO sensor (only sensor versions)	Stainless steel	1.4310	301

Material declaration:

Grey cast iron is manufactured according to EN 1561:1997.

Cast stainless steel is manufactured according to EN 10283:2010.

Conversion to other standards such as AISI/ASTM is normative, and products are not manufactured according to these.

7. Product description

Features

Ball bearings

The bearings are greased for life.

Main bearings:

10 hp (7.5 kW) 4-pole,	Angular contact bearing
12 hp (9.2 kW) 2-pole,	3209B.2RS.C3.SYN.
15 hp (11 kW) 2-pole:	
4 hp (3 kW) 4-pole to 10 hp (7.5 kW) 2-pole:	Angular contact bearing 3208B.2RS.C3.SYN.

Support bearings: Single-row deep-groove ball bearing.

Shaft seal



TMS00150511

Fig. 12 Double mechanical cartridge shaft seal

The shaft seal consists of two mechanical seals and separates the motor from the pumped liquid.

The shaft seal is a cartridge seal that enables easy service.

The combination of the primary and secondary seals in a cartridge results in a shorter assembly length compared to traditional shaft seals. Furthermore, this design minimizes the risk of incorrect fitting.

The primary seal is SiC/SiC and the secondary is carbon/ceramic.

Motor

The motor is a watertight, totally encapsulated motor.

- Insulation class: H (356 °F (180 °C)). Motor insulation fulfills NEMA MG1 part 31 as regards frequency converter duty.

- Temperature rise class: A.
- Enclosure class: IP68.

For motor protection and sensors, see [Sensors](#), page 21.

Power cables

Standard cable

Cable type	Outer cable diameter [in. (mm)]	Bending radius	
		Fixed [in. (mm)]	Free [in. (mm)]
7 G AWG 16	0.523 (13.3)	1.25 (31.8)	1.875 (47.6)
4 G AWG 14 + 3 G 16 AWG	0.636 (16.2)	1.25 (31.8)	1.875 (47.6)
7 G AWG 14 + 3 G 16 AWG	0.811 (20.6)	1.5 (38.1)	2.25 (57.2)

EMC cable

Cable type [mm ²]	Outer cable diameter [in. (mm)]	Bending radius	
		Fixed	Free
4 G AWG 14 + 3 G 16 AWG screened cable	0.695 (17.7)	1.5 (38.1)	2.25 (57.2)

The standard cable length is 49 ft (15 m). Other cable lengths are available on request. See [Various cable lengths](#), page 9.

The number and dimension of cables depend on the motor size.

Cable entry**Fig. 13** Moisture-proof cable plug

The stainless steel plug is fastened with a union nut. The nut and O-rings provide sealing against liquid penetration.

The plug is filled with a polyamide material that is cast into the plug around the conductors of the cable to prevent moisture from penetrating into the motor via the cable core.

Surface treatment

Grundfos SL1 and SLV pumps are given the following surface treatment:

Powder painting: NCS 9000N (RAL9005 Black) gloss code 30, thickness 100 µm.

Sensors**Fig. 14** Analog water-in-oil sensor

As standard, the pump is equipped with thermal switches in the stator windings.

Customized analog sensor options

1. PT1000 sensor in motor windings for stator temperature measurements.
2. WIO (water-in-oil) sensor. The WIO sensor fitted in the oil chamber of the pump monitors whether water enters the pump from the liquid side. The sensor measures the water content (0 to 20 %) in the oil and converts the value into an analog current signal which is sent to an IO 113 sensor module. It also sends a signal if the water content is outside the normal range (warning), or if there is air in the oil chamber (alarm). The sensor is fitted in a stainless steel tube for mechanical protection.
3. Moisture switch. The moisture switch fitted in the motor chamber monitors whether water enters the pump. If moisture is detected in the motor chamber, the moisture switch will trip out and send a warning to the IO 113 sensor module.

IO 113 sensor module



Fig. 15 Grundfos IO 113 sensor module

The IO 113 module is a protection module for Grundfos wastewater pumps. It has inputs for digital and analog pump sensors and can stop the pump if a sensor indicates a pump fault. IO 113 can be connected to the Dedicated Controls system offered by Grundfos and provides advanced monitoring functions:

- motor temperature
- moisture in motor
- water in oil
- insulation resistance.

Note: All pump versions with sensor need an IO113 sensor module to operate properly. Modules are sold separately and can be found in section

11. Accessories

Testing

All pumps are tested before leaving the factory. The factory test report is based on HI 1.6 - 2000 acceptance level B. Test reports are delivered with the pump.

Test certificates can be ordered directly with the pump or separately based on the pump serial number.

Other tests or third-party inspection certificates are available on request. See *Variants*, page 9.

TM05 4166 2112

Operating conditions

The SL1 and SLV pumps are **only** for submerged installation.

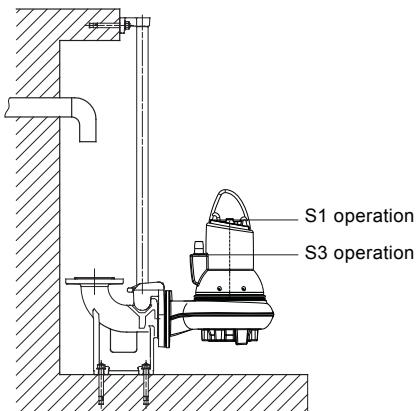


Fig. 16 Operation levels

- Continuous operation S1 when the pump is fully submerged to the top of the motor.

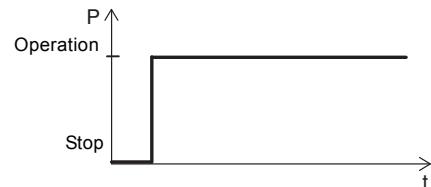


Fig. 17 Continuous operation

- Intermittent operation S3 with maximum 20 starts per hour when the pump is submerged to the bottom of the cable plug. The pump must run for maximum 4 minutes and stop for min. 6 minutes. See fig. 18.

Note: Explosion-proof pumps **must** always be fully submerged.

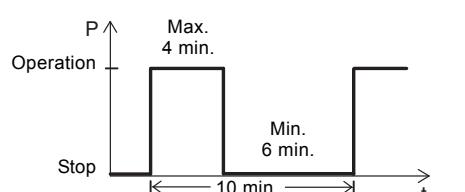


Fig. 18 Intermittent operation

TM04 2649 2808

TM02 7776 4003

TM04 2656 2808

Pumped liquids

Pump type	Material variant	Material	pH value
SL1/SLV	Standard	Cast iron impeller and pump housing	4-10
SLV	Q	Stainless steel impeller and cast iron pump housing	6-14 ¹⁾

¹⁾ For fluctuating pH values the range is pH 4 to 14.

Liquid temperature: 32-104 °F
(0-40 °C)

When pumping liquids with a density and/or a kinematic viscosity higher than that of water, use motors with correspondingly higher outputs.

For short periods (maximum 3 minutes), temperatures up to 140 °F (60 °C) are permissible (non-Ex versions only).

Sound pressure

The sound pressure level of the pump is lower than the limiting values stated in the EC Council directive 2006/42/EC relating to machinery (the EC Machinery Directive).

Motor range

Shaft power [hp (kW)]	No of poles
1.5 (1.1)	4
1.8 (1.3)	4
2 (1.5)	4
3 (2.2)	2/4
4 (3)	2/4
5.5 (4)	2/4
7.5 (5.5)	4
8 (6)	2
10 (7.5)	2
12.5 (9.2)	2
15 (11)	2

Pump controllers

The pumps must be connected to a control box with a motor protection relay with IEC trip class 10 or 15.

Note: Pumps for hazardous locations must be connected to a control box with a motor protection relay with IEC trip class 10.

The pumps can be controlled by the following pump controllers:

- Grundfos Dedicated Controls
- SLC, Simplex Level Controller
- DLC, Duplex Level Controller

For further information about Dedicated Controls and SLC, DLC controllers, please see page [148](#).

Variable-speed operation

All SL1, SLV pump types are designed for speed-controlled operation to keep the energy consumption at a minimum.

To avoid the risk of sedimentation in the pipes, we recommend that you operate the speed-controlled pump within a speed range of 30 % to 100 % and at a flow rate above 3.3 ft/s (1 m/s).

We recommend that you use EMC cables when using pumps with sensors because it helps prevent interference due to line noise.

For more information, please see the installation and operation instructions of SL1/SLV pumps US-P/N 97640137 at www.grundfos.com.

Approvals

The SL1 and SLV pumps have been approved by CSA and FM, and the explosion-proof versions hold an FM type examination certificate no. 3035318.

Approval standards

The pumps are approved by CSA and FM according to UL778, C22.2 no. 108 and FM 3600, FM3615 and FM3615.80.

Explanation of FM approval

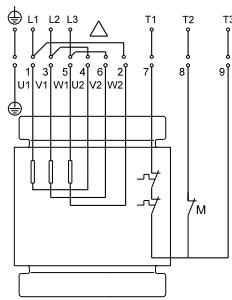
The SL1 and SLV pumps have the following explosion protection classification: Class I, Division 1, Groups C and D, T4, T3, IP68.

Standards	Code	Description
FM3600	Class I	= Explosive atmosphere is caused by gas or vapors
FM3615	Division 1	= Area classification
FM3615.80	Groups C and D	= Classification of gases
	T4/T3	= Maximum surface temperatures are 275 °F (135 °C) and 392 °F (200 °C), respectively
	IP68	= Enclosure class according to IEC 60529

SL 61 R voltage variant

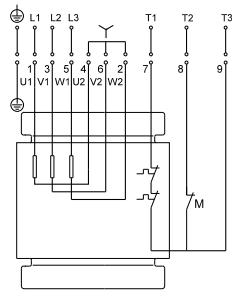
To standardize and help minimize part numbers and pump versions of the SL product portfolio, Grundfos created the 61 R voltage variant. 61 R is a dual-voltage (230 V / 460 V), three-phase, 60 Hz, direct-on-line (DOL) connected motor.

- Connect 230 V pumps using the low-voltage (delta) connection.
- Connect 460 V pumps using the high-voltage (star) connection.



TM05 7155 0613

Fig. 19 61 R, 230 V DOL wired in low-voltage (delta) connection



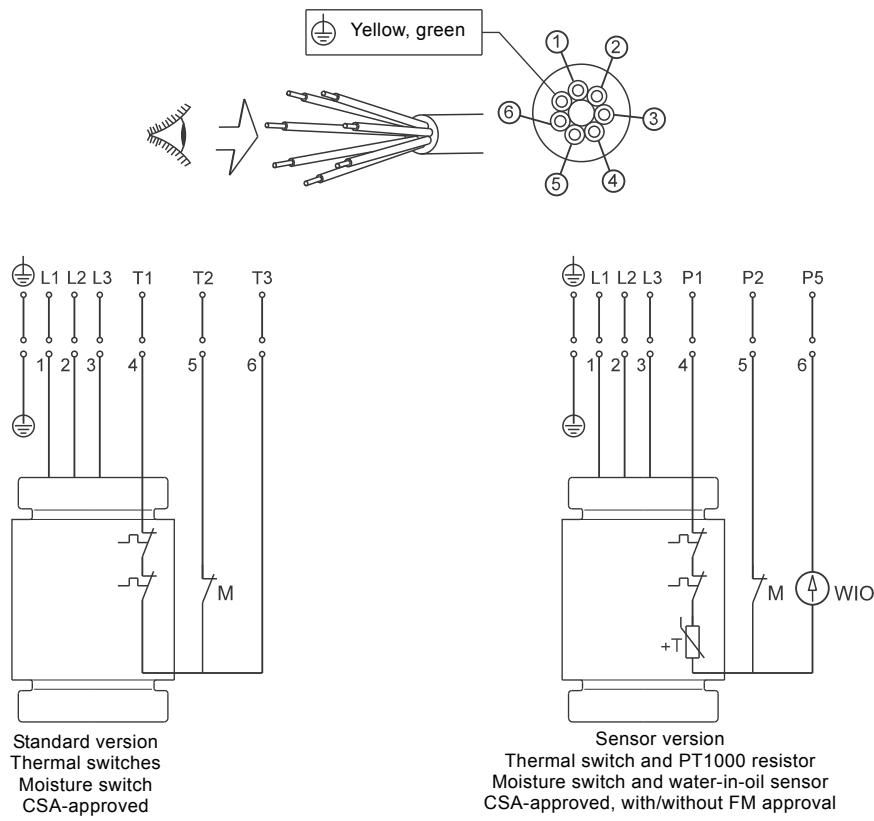
TM05 7155 0613

Fig. 20 61 R, 460 V DOL wired in high-voltage (star) connection

The 61 R voltage variant provides a large voltage range for supply power.

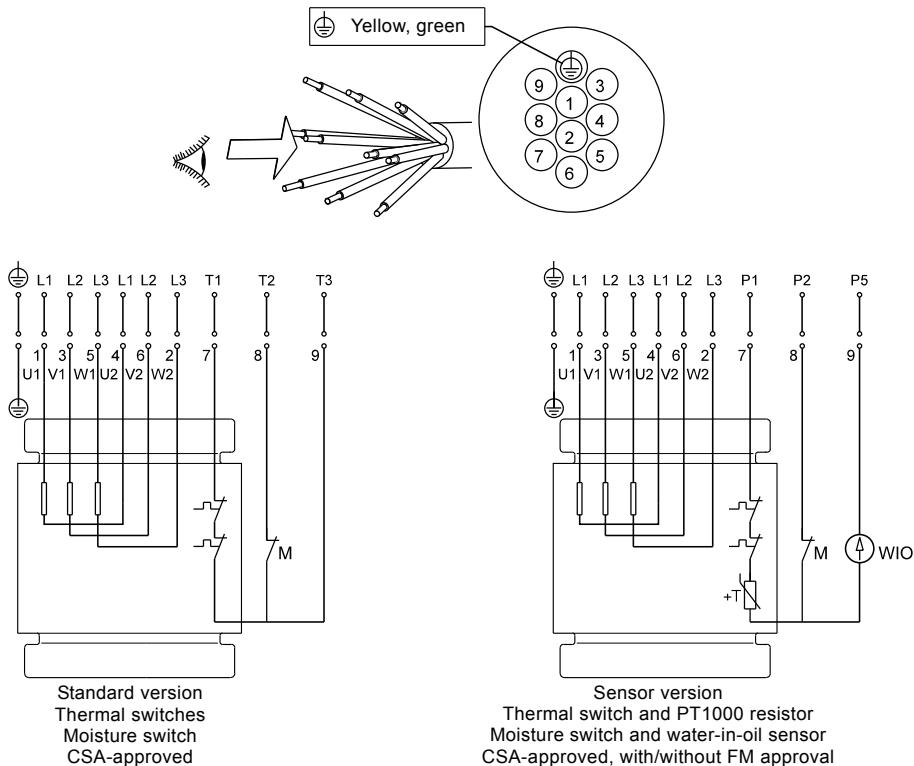
Stated voltage	Percentage variation	Voltage range
230 V	+/- 10 %	207-253 V
460 V	+/- 10 %	414-506 V

Wiring diagrams



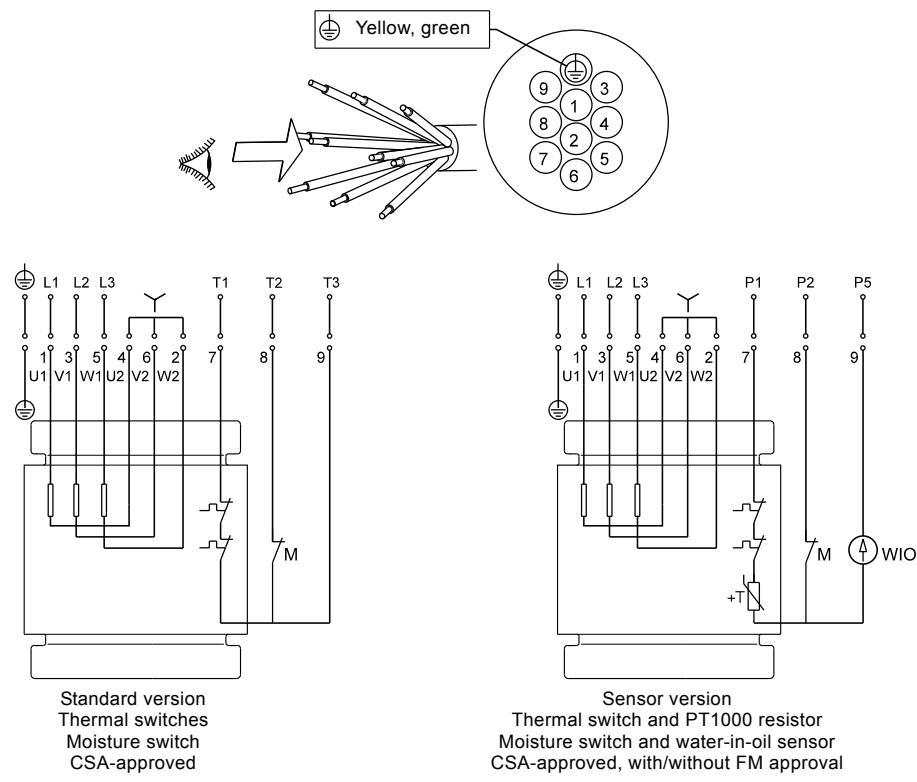
TM04 6689 0710

Fig. 21 Wiring diagram, 7-core cable, direct online

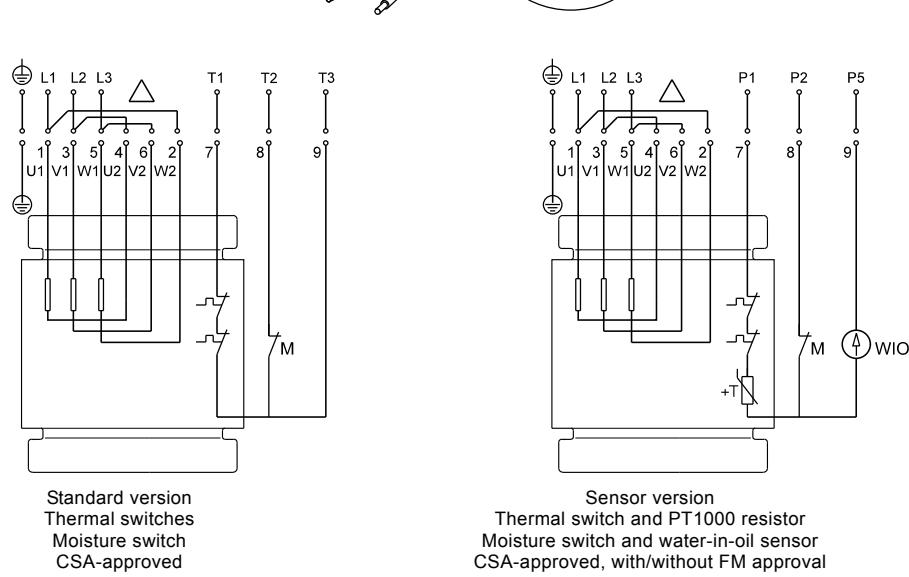


TM04 6690 0710

Fig. 22 Wiring diagram, 10-core cable, star/delta (Y/D)



TM0469910710

Fig. 23 Wiring diagram, 10-core cable, direct online, star-connected (Y)

TM0469820710

Fig. 24 Wiring diagram, 10-core cable, direct online, delta-connected (D)

8. Curve charts and technical data

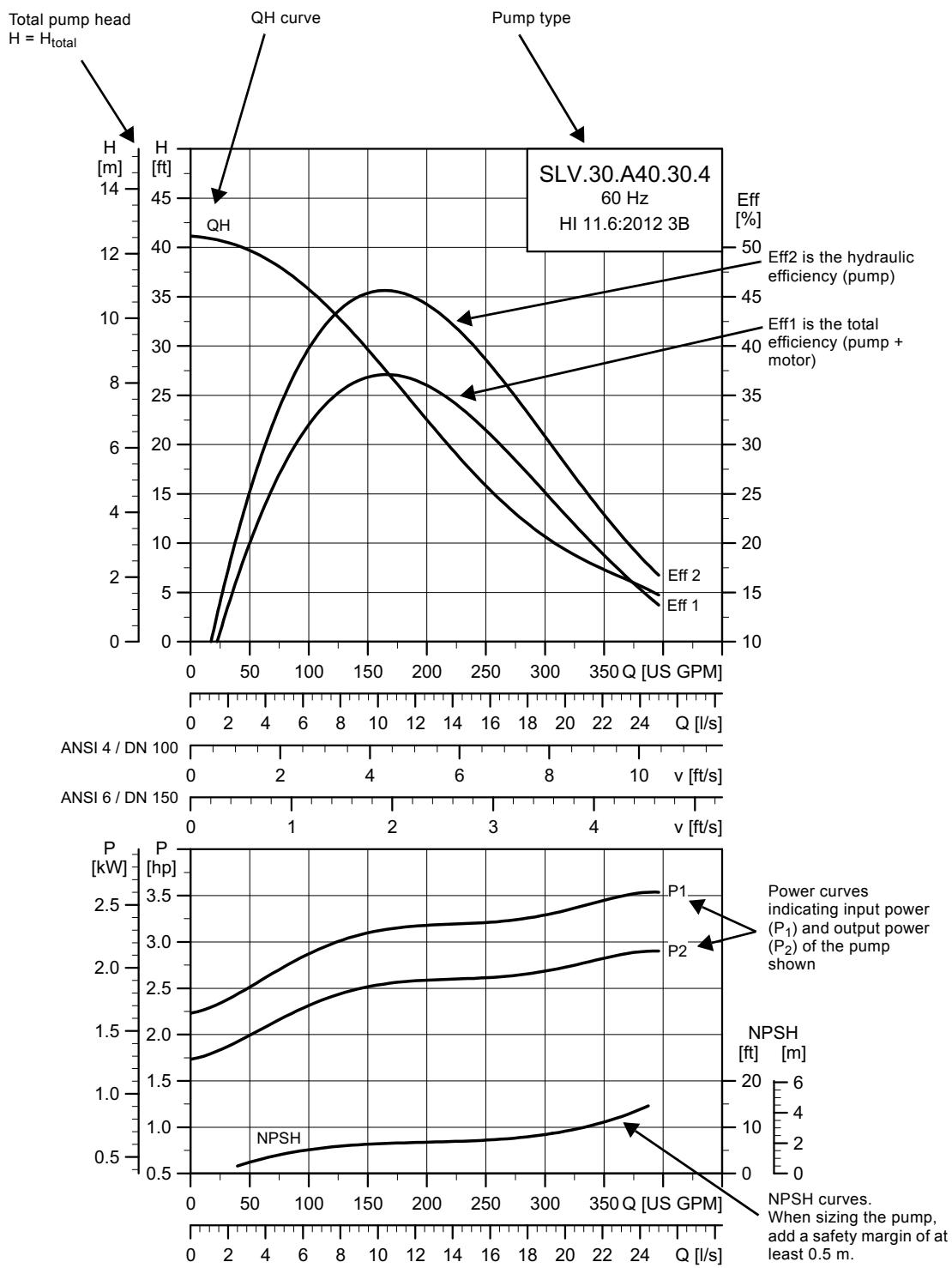
The following pages are divided into sections:

Pages 28 and 29 give a brief explanation of how to read the curve charts and the curve conditions etc.

Performance curves and technical data:

Page	Pump curves						
38	<i>Performance curves: SL1.20.A25.30.2.--.C</i>	66	<i>Performance curves: SL1.30.A40.40.4.--.C</i>	94	<i>Performance curves: SLV.25.A30.40.2.--.C</i>	122	<i>Performance curves: SLV.30.A40.20.4.--.C</i>
40	<i>Performance curves: SL1.20.A25.40.2.--.C</i>	68	<i>Performance curves: SL1.30.A40.55.4.--.C</i>	96	<i>Performance curves: SLV.25.A30.55.2.--.C</i>	124	<i>Performance curves: SLV.30.A40.30.4.--.C</i>
42	<i>Performance curves: SL1.20.A25.55.2.--.C</i>	70	<i>Performance curves: SL1.30.A40.75.4.--.C</i>	98	<i>Performance curves: SLV.30.A30.15.4.--.C</i>	126	<i>Performance curves: SLV.30.A40.55.2.--.C</i>
44	<i>Performance curves: SL1.20.A30.30.2.--.C</i>	72	<i>Performance curves: SL1.30.A40.100.4.--.C</i>	100	<i>Performance curves: SLV.30.A30.18.4.--.C</i>	128	<i>Performance curves: SLV.30.A40.55.4.--.C</i>
46	<i>Performance curves: SL1.20.A30.40.2.--.C</i>	74	<i>Performance curves: SL1.40.A40.55.4.--.C</i>	102	<i>Performance curves: SLV.30.A30.20.4.--.C</i>	130	<i>Performance curves: SLV.30.A40.80.2.--.C</i>
48	<i>Performance curves: SL1.20.A30.55.2.--.C</i>	76	<i>Performance curves: SL1.40.A40.75.4.--.C</i>	104	<i>Performance curves: SLV.30.A30.30.4.--.C</i>	132	<i>Performance curves: SLV.30.A40.100.2.--.C</i>
50	<i>Performance curves: SL1.30.A30.20.4.--.C</i>	78	<i>Performance curves: SL1.40.A40.100.4.--.C</i>	106	<i>Performance curves: SLV.30.A30.55.2.--.C</i>	134	<i>Performance curves: SLV.30.A40.125.2.--.C</i>
52	<i>Performance curves: SL1.30.A30.30.4.--.C</i>	80	<i>Performance curves: SL1.40.A60.55.4.--.C</i>	108	<i>Performance curves: SLV.30.A30.55.4.--.C</i>	136	<i>Performance curves: SLV.30.A40.150.2.--.C</i>
54	<i>Performance curves: SL1.30.A30.40.4.--.C</i>	82	<i>Performance curves: SL1.40.A60.75.4.--.C</i>	110	<i>Performance curves: SLV.30.A30.80.2.--.C</i>	138	<i>Performance curves: SLV.40.A40.40.4.--.C</i>
56	<i>Performance curves: SL1.30.A30.55.4.--.C</i>	84	<i>Performance curves: SL1.40.A60.100.4.--.C</i>	112	<i>Performance curves: SLV.30.A30.100.2.--.C</i>	140	<i>Performance curves: SLV.40.A40.55.4.--.C</i>
58	<i>Performance curves: SL1.30.A30.75.4.--.C</i>	86	<i>Performance curves: SLV.25.A25.30.2.--.C</i>	114	<i>Performance curves: SLV.30.A30.125.2.--.C</i>	142	<i>Performance curves: SLV.40.A40.75.4.--.C</i>
60	<i>Performance curves: SL1.30.A30.100.4.--.C</i>	88	<i>Performance curves: SLV.25.A25.40.2.--.C</i>	116	<i>Performance curves: SLV.30.A30.150.2.--.C</i>	144	<i>Performance curves: SLV.40.A40.100.4.--.C</i>
62	<i>Performance curves: SL1.30.A40.20.4.--.C</i>	90	<i>Performance curves: SLV.25.A25.55.2.--.C</i>	118	<i>Performance curves: SLV.30.A40.15.4.--.C</i>		
64	<i>Performance curves: SL1.30.A40.30.4.--.C</i>	92	<i>Performance curves: SLV.25.A30.30.2.--.C</i>	120	<i>Performance curves: SLV.30.A40.18.4.--.C</i>		

How to read the curve charts



Curve conditions

The guidelines below apply to the curves shown in the performance charts on pages [38](#) to [144](#).

- Tolerances according to HI 11.6 - 2012 acceptance level 3B.
- The curves show pump performance with different impeller diameters at the rated speed.
- The bold part of the curves show the recommended operating range.
- The curves apply to the pumping of airless water at a temperature of 68 °F (20 °C) and a kinematic viscosity of 1 cSt (1.076 (ft²/s) × 10⁻⁵).
- **Eff:** The lines show values of the hydraulic efficiency, i.e. Eff1 is the total efficiency (pump + motor) and Eff2 is the hydraulic efficiency (pump).
- **NPSH:** The curves show average values measured under the same conditions as the performance curves.
When dimensioning the pump, add a safety margin of at least 1.6 ft (0.5 m).
- In case of densities other than 133.5 ounces/gallon (1000 kg/m³), the outlet pressure is proportional to the density.
- When pumping liquids with a density higher than 133.5 ounces/gallon (1000 kg/m³), motors with correspondingly higher outputs must be used.

Calculation of total head

The total pump head consists of the height difference between the measuring points + the differential head + the dynamic head.

$$H_{\text{total}} = H_{\text{geo}} + H_{\text{stat}} + H_{\text{dyn}}$$

H_{geo} : Height difference between measuring points.

H_{stat} : Differential head between the inlet and the outlet side of the pump.

H_{dyn} : Calculated values based on the velocity of the pumped liquid on the inlet and the outlet side of the pump.

Performance tests

All pumps are factory tested to a Grundfos testing standard that is similar to the hydraulic Institute 11.6:2012 grade 3B. These Grundfos standard curves are provided with each pump. For tests according to ANSI/HI 11.6:2012 grade 3B, see [Tests](#) on page [9](#).

The testing equipment and measuring instruments are designed and calibrated in accordance with the mentioned standards.

For customized duty point or other grades with 5 point test certificate, please contact Grundfos in order to agree on terms before ordering.

Certificates

Certificates have to be confirmed for every order and are available on request. See [Certificates](#) on page [9](#).

Witness test

It is possible for the customer to witness the testing procedure according to Hydraulic Institute 11.6 - 2012. The witness test is not a certificate and will not result in a written statement from Grundfos. The witness test only guarantees that everything is carried out as prescribed in the testing procedure.

If the customer wants to witness the pump performance test, such request must be stated on the order.

9. Product range

SL1 pump range

With 49-ft cable

Pump type	Sensor*	Explosion-proof	Poles	Hz	Voltage						Stainless steel impeller			
					3 x 208-230 V DOL	3 x 230 V D/460 V Y DOL	3 x 460 V Y/D	3 x 575 V DOL	3 x 575 V Y/D					
					[.A]	[.EX]	[.2]	[.6]	[0J]	[1R]	[1H]	[0L]	[1L]	[.Q]
SL1.20.A25.30	Yes	Yes	2	60	99034397	99030154						98634793	No	
		No	2	60	99034395	99030093						98634635	No	
	No	Yes	2	60	99034398	99030117						98634714	No	
		No	2	60	99034394	99030073						98634556	No	
SL1.20.A25.40	Yes	Yes	2	60	99034401	99030155						98634794	No	
		No	2	60	99034400	99030094						98634636	No	
	No	Yes	2	60	99034402	99030118						98634715	No	
		No	2	60	99034399	99030074						98634557	No	
SL1.20.A25.55	Yes	Yes	2	60	99034405	99030156						98634795	No	
		No	2	60	99034404	99030095						98634637	No	
	No	Yes	2	60	99034707	99030119						98634716	No	
		No	2	60	99034403	99030075						98634558	No	
SL1.20.A30.30	Yes	Yes	2	60	99034408	99030069						98634796	No	
		No	2	60	99034407	99030068						98634638	No	
	No	Yes	2	60	99034409	99030067						98634717	No	
		No	2	60	99034406	99030066						98634559	No	
SL1.20.A30.40	Yes	Yes	2	60	99034412	99030157						98634797	No	
		No	2	60	99034411	99030096						98634639	No	
	No	Yes	2	60	99034709	99030120						98634718	No	
		No	2	60	99034410	99030076						98634560	No	
SL1.20.A30.55	Yes	Yes	2	60	99034415	99030158						98634798	No	
		No	2	60	99034414	99030097						98634640	No	
	No	Yes	2	60	99034711	99030121						98634719	No	
		No	2	60	99034413	99030077						98634561	No	
SL1.30.A30.20	Yes	Yes	4	60	99034821	99030159						98634799	No	
		No	4	60	99034801	99030098						98634641	No	
	No	Yes	4	60	99034807	99030122						98634720	No	
		No	4	60	99034779	99030078						98634562	No	
SL1.30.A30.30	Yes	Yes	4	60	99034724	99030160						98634800	No	
		No	4	60	99034419	99030099						98634642	No	
	No	Yes	4	60	99034725	99030123						98634721	No	
		No	4	60	99034418	99030079						98634563	No	
SL1.30.A30.40	Yes	Yes	4	60	99034726	99030162						98634801	No	
		No	4	60	99034421	99030100						98634643	No	
	No	Yes	4	60	99034727	99030125						98634722	No	
		No	4	60	99034420	99030080						98634564	No	
SL1.30.A30.55	Yes	Yes	4	60	99034728	99030164						98634803	No	
		No	4	60	99034423	99030102						98634645	No	
	No	Yes	4	60	99034729	99030127						98634724	No	
		No	4	60	99034422	99030082						98634566	No	
SL1.30.A30.75	Yes	Yes	4	60	99034730	99030165						98634804	No	
		No	4	60	99034425	99030103						98634646	No	
	No	Yes	4	60	99034731	99030128						98634725	No	
		No	4	60	99034424	99030083						98634567	No	
SL1.30.A30.100	Yes	Yes	4	60	99034712	99030163						98634802	No	
		No	4	60	99034417	99030101						98634644	No	
	No	Yes	4	60	99034723	99030126						98634723	No	
		No	4	60	99034416	99030081						98634565	No	
SL1.30.A40.20	Yes	Yes	4	60	99034822	99030166						98634805	No	
		No	4	60	99034802	99030104						98634647	No	
	No	Yes	4	60	99034808	99030129						98634726	No	
		No	4	60	99034780	99030084						98634568	No	

* An IO113 module is required with the sensor model pump. IO modules are not included with the pumps and can be found in the section Accessories on page 146.

SL1, SLV pumps

Pump type	Sensor*	Explosion-proof	Poles	Hz	Voltage						Stainless steel impeller			
					3 x 208-230 V DOL	3 x 230 V D/460 V Y DOL	3 x 460 V Y/D	3 x 575 V DOL	3 x 575 V Y/D					
					[.A]	[.EX]	[.2]	[.6]	[0J]	[1R]	[1H]	[0L]	[1L]	[.Q]
SL1.30.A40.30	Yes	Yes	4	60	99034734		99030167					98634806	No	
		No	4	60	99034429		99030106					98634648	No	
	No	Yes	4	60	99034735		99030130					98634727	No	
		No	4	60	99034428		99030071					98634569	No	
SL1.30.A40.40	Yes	Yes	4	60	99034736		99030169					98634807	No	
		No	4	60	99034431		99030107					98634649	No	
	No	Yes	4	60	99034737		99030131					98634728	No	
		No	4	60	99034430		99030085					98634570	No	
SL1.30.A40.55	Yes	Yes	4	60	99034738		99030171					98634809	No	
		No	4	60	99034433		99030109					98634651	No	
	No	Yes	4	60	99034739		99030144					98634730	No	
		No	4	60	99034432		99030072					98634572	No	
SL1.30.A40.75	Yes	Yes	4	60	99034740		99030172					98634810	No	
		No	4	60	99034435		99030110					98634652	No	
	No	Yes	4	60	99034741		99030145					98634731	No	
		No	4	60	99034434		99030086					98634573	No	
SL1.30.A40.100	Yes	Yes	4	60	99034732		99030170					98634808	No	
		No	4	60	99034427		99030108					98634650	No	
	No	Yes	4	60	99034733		99030132					98634729	No	
		No	4	60	99034426		99030070					98634571	No	
SL1.40.A40.55	Yes	Yes	4	60	99034744		99030174					98634812	No	
		No	4	60	99034439		99030112					98634654	No	
	No	Yes	4	60	99034440		99030148					98634733	No	
		No	4	60	99034438		99030088					98634575	No	
SL1.40.A40.75	Yes	Yes	4	60	99034745		99030175					98634813	No	
		No	4	60	99034442		99030113					98634655	No	
	No	Yes	4	60	99034443		99030149					98634734	No	
		No	4	60	99034441		99030089					98634576	No	
SL1.40.A40.100	Yes	Yes	4	60	99034742		99030173					98634811	No	
		No	4	60	99034437		99030111					98634653	No	
	No	Yes	4	60	99034743		99030147					98634732	No	
		No	4	60	99034436		99030087					98634574	No	
SL1.40.A60.55	Yes	Yes	4	60	99034451		99030177					98634815	No	
		No	4	60	99034450		99030115					98634657	No	
	No	Yes	4	60	99034452		99030151					98634736	No	
		No	4	60	99034449		99030091					98634578	No	
SL1.40.A60.75	Yes	Yes	4	60	99034455		99030178					98634816	No	
		No	4	60	99034454		99030116					98634658	No	
	No	Yes	4	60	99034457		99030153					98634737	No	
		No	4	60	99034453		99030092					98634579	No	
SL1.40.A60.100	Yes	Yes	4	60	99034746		99030176					98634814	No	
		No	4	60	99034446		99030114					98634656	No	
	No	Yes	4	60	99034448		99030150					98634735	No	
		No	4	60	99034445		99030090					98634577	No	

* An IO113 module is required with the sensor model pump. IO modules are not included with the pumps and can be found in the section Accessories on page 146.

SLV pump range

With 49-ft cable

Pump type	Sensor*	Explosion-proof	Poles	Hz	Voltage						Stainless steel impeller	
					3 x 208-230 V DOL	3 x 230 V D/460 V Y/DOL	3 x 460 V Y/D	3 x 575 V DOL	3 x 575 V Y/D	[.Q]		
					[.A]	[.EX]	[.2]	[.6]	[0J]	[1R]	[1H]	[.Q]
SLV.25.A25.30	Yes	Yes	2	60	**	99034460	99030285			**	98634817	No
		No	2	60	**	99034459	99030215			**	98634659	No
		Yes	2	60	**	99034461	99030254			**	98634738	No
		No	2	60	**	99034748	99030181			**	98634580	No
	No	Yes	2	60	**	99034463	99030286			**	98634818	No
		No	2	60	**	99034462	99030216			**	98634660	No
		Yes	2	60	**	99034464	99030255			**	98634739	No
		No	2	60	**	99034749	99030182			**	98634581	No
SLV.25.A25.40	Yes	Yes	2	60	**	99034463	99030286			**	98634818	No
		No	2	60	**	99034462	99030216			**	98634660	No
		Yes	2	60	**	99034464	99030255			**	98634739	No
		No	2	60	**	99034749	99030182			**	98634581	No
	No	Yes	2	60	**	99034466	99030287			**	98634819	No
		No	2	60	**	99034465	99030217			**	98634661	No
		Yes	2	60	**	99034467	99030256			**	98634740	No
		No	2	60	**	99034750	99030183			**	98634582	No
SLV.25.A30.30	Yes	Yes	2	60	**	99034469	99030288			**	98634820	No
		No	2	60	**	99034468	99030218			**	98634662	No
		Yes	2	60	**	99034470	99030257			**	98634741	No
		No	2	60	**	99034751	99030184			**	98634583	No
	No	Yes	2	60	**	99034473	99030290			**	98634821	No
		No	2	60	**	99034472	99030219			**	98634663	No
		Yes	2	60	**	99034474	99030258			**	98634742	No
		No	2	60	**	99034471	99030186			**	98634584	No
SLV.25.A30.40	Yes	Yes	2	60	**	99034477	99030291			**	98634822	No
		No	2	60	**	99034476	99030220			**	98634664	No
		Yes	2	60	**	99034478	99030259			**	98634743	No
		No	2	60	**	99034475	99030187			**	98634585	No
	No	Yes	2	60	**	99034473	99030290			**	98634821	No
		No	2	60	**	99034472	99030219			**	98634663	No
		Yes	2	60	**	99034474	99030258			**	98634742	No
		No	2	60	**	99034471	99030186			**	98634584	No
SLV.25.A30.55	Yes	Yes	2	60	**	99034477	99030291			**	98634822	No
		No	2	60	**	99034476	99030220			**	98634664	No
		Yes	2	60	**	99034478	99030259			**	98634743	No
		No	2	60	**	99034475	99030187			**	98634585	No
	No	Yes	2	60	**	99034473	99030290			**	98634821	No
		No	2	60	**	99034472	99030219			**	98634663	No
		Yes	2	60	**	99034474	99030258			**	98634742	No
		No	2	60	**	99034471	99030186			**	98634584	No

* An IO113 module is required with the sensor model pump. IO modules are not included with the pumps and can be found in the section Accessories on page 146.

** Contact Grundfos.

SL1, SLV pumps

Pump type	Sensor*	Explosion-proof	Poles	Hz	Voltage						Stainless steel impeller	
					3 x 208-230 V DOL	3 x 230 V D/460 V Y DOL	3 x 460 V Y/D	3 x 575 V DOL	3 x 575 V Y/D			
		[.A]	[.EX]	[.2]	[.6]	[0J]	[1R]	[1H]	[0L]	[1L]	[.Q]	
SLV.30.A30.15	Yes	Yes	4	60	**	99030409				98634834	Yes	
		No	4	60	**	99030297	99030360			98634833	No	
		Yes	4	60	**	99030235	99030384			98634677	Yes	
		No	4	60	**	99030266	99030384			98634676	No	
	No	Yes	4	60	**	99034811	99030335			98634755	Yes	
		No	4	60	**	99034781	99030195			98634754	No	
		Yes	4	60	**	99034500	99030298			98634598	Yes	
		No	4	60	**	99034499	99030236			98634597	No	
SLV.30.A30.18	Yes	Yes	4	60	**	99030410	99030298			98634836	Yes	
		No	4	60	**	99030361	99030384			98634835	No	
		Yes	4	60	**	99030235	99030384			98634679	Yes	
		No	4	60	**	99030266	99030384			98634678	No	
	No	Yes	4	60	**	99034813	99030336			98634757	Yes	
		No	4	60	**	99034793	99030196			98634600	Yes	
		Yes	4	60	**	99034823	99030292			98634599	No	
		No	4	60	**	99034803	99030221			98634824	Yes	
SLV.30.A30.20	Yes	Yes	4	60	**	99030404	99030292			98634823	No	
		No	4	60	**	99030355	99030221			98634666	Yes	
		Yes	4	60	**	99034803	99030379			98634665	No	
		No	4	60	**	99034809	99030260			98634745	Yes	
	No	Yes	4	60	**	99034809	99030320			98634744	No	
		No	4	60	**	99034778	99030188			98634587	Yes	
		Yes	4	60	**	99034503	99030293			98634586	No	
		No	4	60	**	99034502	99030222			98634826	Yes	
SLV.30.A30.30	Yes	Yes	4	60	**	99030405	99030293			98634825	No	
		No	4	60	**	99030356	99030356			98634668	Yes	
		Yes	4	60	**	99034502	99030222			98634667	No	
		No	4	60	**	99034504	99030261			98634747	Yes	
	No	Yes	4	60	**	99034504	99030261			98634746	No	
		No	4	60	**	99034501	99030190			98634589	Yes	
		Yes	2	60	**	99034509	99030413			98634588	No	
		No	4	60	**	99034510	99030300			98634840	Yes	
SLV.30.A30.55	Yes	Yes	2	60	**	99034509	99030413			98634839	No	
		No	4	60	**	99034510	99030301			98634842	Yes	
		Yes	2	60	**	99034510	99030363			98634841	No	
		No	4	60	**	99034506	99030364			98634683	Yes	
	No	Yes	2	60	**	99034508	99030238			98634682	No	
		No	4	60	**	99034508	99030239			98634685	Yes	
		Yes	2	60	**	99034511	99030387			98634684	No	
		No	4	60	**	99034511	99030388			98634761	Yes	
SLV.30.A30.80	Yes	Yes	2	60	**	99034511	99030269			98634760	No	
		No	4	60	**	99034512	99030270			98634763	Yes	
		Yes	2	60	**	99034512	99030370			98634762	No	
		No	2	60	**	99034505	99030338			98634604	Yes	
	No	Yes	2	60	**	99034505	99030339			98634603	No	
		No	4	60	**	99034752	99030198			98634606	Yes	
		Yes	2	60	**	99034514	99030199			98634605	No	
		No	2	60	**	99034514	99030233			98634828	Yes	

* An IO113 module is required with the sensor model pump. IO modules are not included with the pumps and can be found in the section Accessories on page 146.

** Contact Grundfos.

Pump type	Sensor*	Explosion-proof	Poles	Hz	Voltage						Stainless steel impeller		
					3 x 208-230 V DOL	3 x 230 V D/460 V Y DOL	3 x 460 V Y/D	3 x 575 V DOL	3 x 575 V Y/D	[.Q]			
					[.A]	[.EX]	[.2]	[.6]	[0J]	[1R]	[1H]	[0L]	[1L]
									**	99030407		98634830	Yes
SLV.30.A30.100	Yes	Yes	2	60		99034481		99030295				98634829	No
		No	2	60		99034480		99030234				98634673	Yes
		Yes	2	60		99034482		99030263				98634672	No
	No	No	2	60		99034479		99030333				98634751	Yes
		Yes	2	60		99034495		99030411				98634750	No
		No	2	60		99034494		99030299				98634594	Yes
SLV.30.A30.125	Yes	Yes	2	60		99034495		99030362				98634592	No
		No	2	60		99034494		99030237				98634681	Yes
		Yes	2	60		99034496		99030386				98634680	No
	No	Yes	2	60		99034496		99030268				98634759	Yes
		No	2	60		99034493		99030337				98634602	Yes
		Yes	2	60		99034493		99030197				98634601	No
SLV.30.A30.150	Yes	Yes	2	60		99034662		99030408				98634832	Yes
		No	2	60		99034660		99030296				98634831	No
		Yes	2	60		99034660		99030359				98634675	Yes
	No	Yes	2	60		99034664		99030180				98634674	No
		No	2	60		99034664		99030383				98634753	Yes
		Yes	2	60		99034664		99030265				98634752	No
SLV.30.A40.15	Yes	No	2	60		99034658		99030334				98634596	Yes
		Yes	4	60		99034527		99030194				98634595	No
		No	4	60		99034526		99030307				98634854	Yes
	No	Yes	4	60		99034526		99030245				98634853	No
		No	4	60		99034527		99030370				98634697	Yes
		Yes	4	60		99034527		99030245				98634696	No
SLV.30.A40.18	Yes	Yes	4	60		99034797		99030394				98634776	Yes
		No	4	60		99034817		99030276				98634775	No
		Yes	4	60		99034817		99030345				98634618	Yes
	No	No	4	60		99034797		99030205				98634617	No
		Yes	4	60		99034529		99030420				98634856	Yes
		No	4	60		99034529		99030308				98634855	No
SLV.30.A40.20	Yes	Yes	4	60		99034528		99030371				98634699	Yes
		No	4	60		99034528		99030246				98634698	No
		Yes	4	60		99034825		99030395				98634698	No
	No	No	4	60		99034819		99030277				98634778	Yes
		Yes	4	60		99034819		99030346				98634777	No
		No	4	60		99034799		99030206				98634620	Yes
SLV.30.A40.30	Yes	Yes	4	60		99034825		99030414				98634619	No
		No	4	60		99034805		99030302				98634844	Yes
		Yes	4	60		99034805		99030365				98634843	No
	No	No	4	60		99034805		99030240				98634687	Yes
		Yes	4	60		99034815		99030389				98634686	No
		No	4	60		99034815		99030271				98634766	Yes
SLV.30.A40.30	Yes	Yes	4	60		99034795		99030340				98634765	No
		No	4	60		99034795		99030200				98634608	Yes
		Yes	4	60		99034532		99030415				98634607	No
	No	No	4	60		99034531		99030366				98634846	Yes
		Yes	4	60		99034531		99030241				98634845	No
		No	4	60		99034531		99030366				98634689	Yes
SLV.30.A40.30	Yes	Yes	4	60		99034533		99030390				98634688	No
		No	4	60		99034533		99030272				98634768	Yes
		Yes	4	60		99034533		99030341				98634767	No
	No	No	4	60		99034530		99030201				98634610	Yes
		Yes	4	60		99034530		99030201				98634609	No

* An IO113 module is required with the sensor model pump. IO modules are not included with the pumps and can be found in the section Accessories on page 146.

** Contact Grundfos.

SL1, SLV pumps

Pump type	Sensor*	Explosion-proof	Poles	Hz	Voltage						Stainless steel impeller			
					3 x 208-230 V DOL	3 x 230 V D/460 V Y DOL	3 x 460 V Y/D	3 x 575 V DOL	3 x 575 V Y/D					
					[.A]	[.EX]	[.2]	[.6]	[0J]	[1R]	[1H]	[0L]	[1L]	[.Q]
SLV.30.A40.55	Yes	Yes	2	60	**		99030422				98634860	Yes		
					99034537		99030423				98634859	No		
		No	4	60	**		99030310				98634862	Yes		
					99034538		99030311				98634861	No		
	No	Yes	2	60	**		99030373				98634703	Yes		
					99034754		99030374				98634702	No		
		No	4	60	**		99030248				98634705	Yes		
					99034756		99030249				98634704	No		
			2	60	**		99030397				98634782	Yes		
SLV.30.A40.80	Yes	Yes	2	60	**		99030399				98634781	No		
					99034539		99030279				98634784	Yes		
		No	4	60	**		99030280				98634783	No		
					99034759		99030348				98634624	Yes		
	No	Yes	2	60	**		99030349				98634623	No		
					99034534		99030208				98634626	Yes		
		No	4	60	**		99030209				98634625	No		
					99034536		99030416				98634848	Yes		
			2	60	**		99030304				98634847	No		
SLV.30.A40.100	Yes	Yes	2	60	**		99030367				98634691	Yes		
					99034541		99030242				98634690	No		
		No	2	60	**		99030391				98634770	Yes		
					99034543		99030273				98634769	No		
	No	Yes	2	60	**		99030342				98634612	Yes		
					99034540		99030202				98634611	No		
		No	2	60	**		99030417				98634850	Yes		
					99034520		99030305				98634849	No		
			2	60	**		99030368				98634693	Yes		
SLV.30.A40.125	Yes	Yes	2	60	**		990304519				98634692	No		
					99034519		99030243				98634772	Yes		
		No	2	60	**		99034521				98634771	No		
					99034521		99030274				98634614	Yes		
	No	Yes	2	60	**		99030343				98634613	No		
					99034518		99030203				98634613	No		
		No	2	60	**		99030421				98634858	Yes		
					99034524		99030309				98634857	No		
			2	60	**		99030372				98634701	Yes		
SLV.30.A40.150	Yes	Yes	2	60	**		99034769				98634700	No		
					99034769		99030247				98634780	Yes		
		No	2	60	**		99030396				98634779	No		
					99034525		99030278				98634622	Yes		
	No	Yes	2	60	**		99030347				98634621	No		
					99034522		99030207				98634852	Yes		
		No	2	60	**		99030418				98634851	No		
					99034670		99030306				98634695	Yes		
			2	60	**		99030369				98634694	No		
SLV.40.A40.40	Yes	Yes	2	60	**		99034668				98634774	Yes		
					99034672		99030275				98634773	No		
		No	2	60	**		99030344				98634616	Yes		
					99034666		99030204				98634615	No		
	No	Yes	4	60	**		99030424				98634864	Yes		
					99034549		99030312				98634863	No		
		No	4	60	**		99030375				98634707	Yes		
					99034763		99030250				98634706	No		
			4	60	**		99030400				98634786	Yes		

* An IO113 module is required with the sensor model pump. IO modules are not included with the pumps and can be found in the section Accessories on page 146.

** Contact Grundfos.

Pump type	Sensor*	Explosion -proof	Poles	Hz	Voltage						Stainless steel impeller			
					3 x 208-230 V DOL	3 x 230 V D/ 460 V Y DOL	3 x 460 V Y/D	3 x 575 V DOL	3 x 575 V Y/D					
					[.A]	[.EX]	[.2]	[.6]	[0J]	[1R]	[1H]	[0L]	[1L]	[.Q]
SLV.40.A40.55	Yes	Yes	4	60	**	99030426					98634868	Yes		
		No	4	60	99034552	99030314					98634867	No		
		Yes	4	60	99034551	99030252					98634711	Yes		
	No	Yes	4	60	99034551	99030402	**				98634710	No		
		No	4	60	99034767	99030283	99034767				98634790	Yes		
		No	4	60	99034550	99030213	99034550				98634789	No		
SLV.40.A40.75	Yes	Yes	4	60	99034565	99030315	99034565				98634870	Yes		
		No	4	60	99034564	99030253	99034564				98634869	No		
		Yes	4	60	99034566	99030403	99034566				98634713	Yes		
	No	Yes	4	60	99034566	99030284	99034566				98634712	No		
		No	4	60	99034563	99030214	99034563				98634634	Yes		
		No	4	60	99034563	99030353	99034563				98634633	No		
SLV.40.A40.100	Yes	Yes	4	60	99034547	99030313	99034547				98634866	Yes		
		No	4	60	99034546	99030251	99034546				98634865	No		
		Yes	4	60	99034546	99030401	99034546				98634709	Yes		
	No	Yes	4	60	99034761	99030282	99034761				98634708	No		
		No	4	60	99034545	99030212	99034545				98634788	Yes		
		No	4	60	99034545	99030351	99034545				98634630	No		

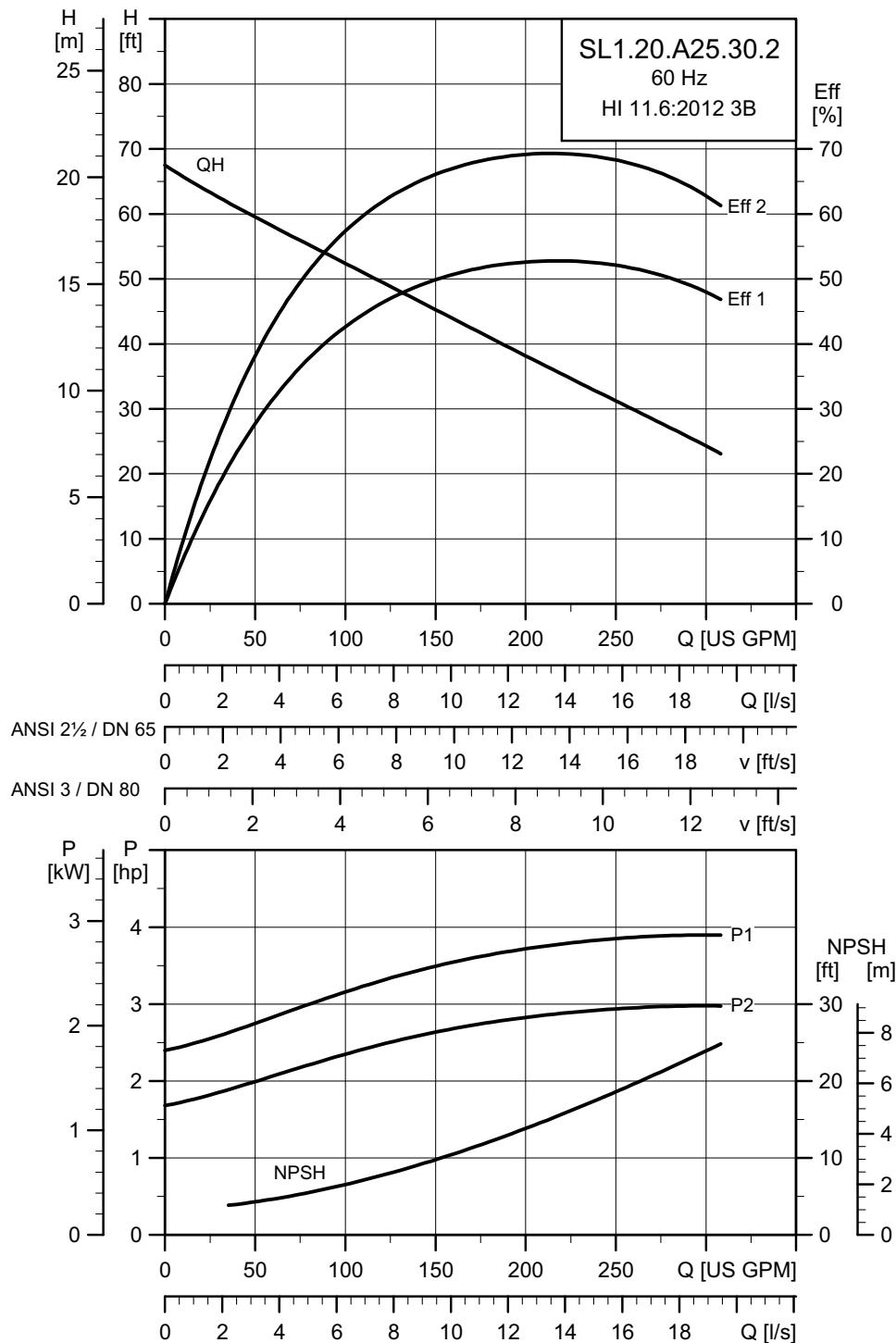
* An IO113 module is required with the sensor model pump. IO modules are not included with the pumps and can be found in the section Accessories on page 146.

** Contact Grundfos.

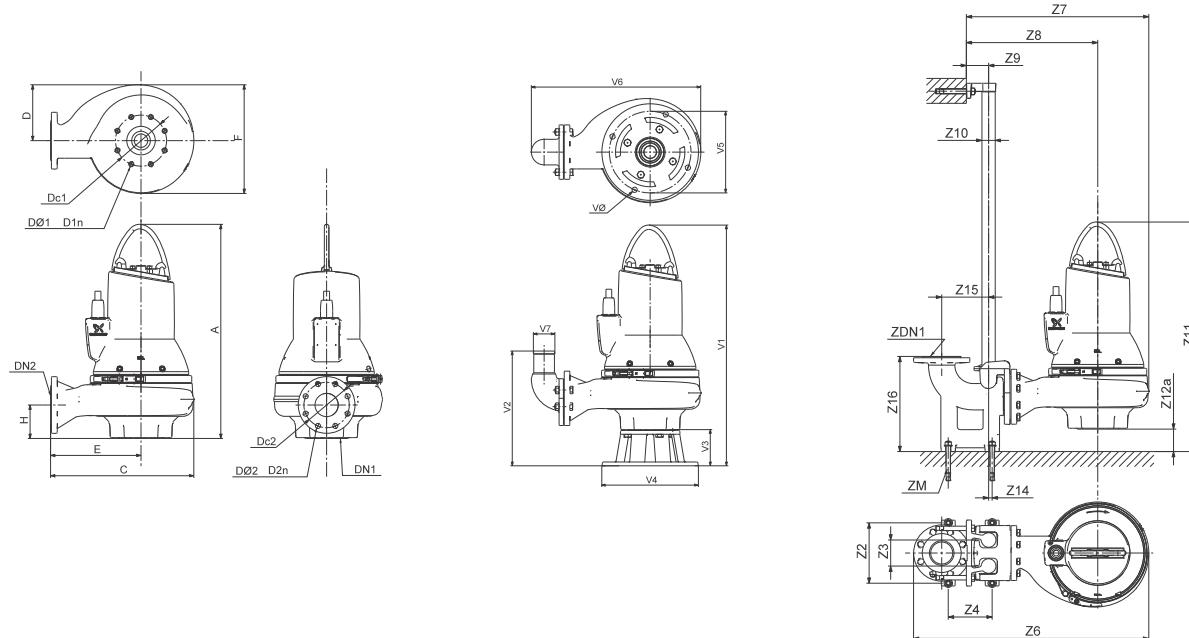
10. Performance curves and technical data

SL1.20.A25

Performance curves: SL1.20.A25.30.2.--.C



Dimensional sketches: SL1.20.A25.30.2--C



TM04 2794 3008 - TM04 2795 3008 - TM04 2793 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	25.2	14.4	6.7	8.5	12.6	3.7	2.5	5.5	4 x M16	2.5	5.5	4 x 0.75
[mm]	641	366	171	216	321	69	DN 65	140	4 x M16	DN 65	140	4 x 19.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.3	3.7	5.5	27.6	20.3	14.3	3.2	1.5	29.1	3.8	0.1	6.9	10.5	2.5	4 x M16
[mm]	210	95	140	700	514	364	81	40	738	97	1	175	266	65	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ
[in.]	31	14.1	5.1	12.8	10.6	18.8	2.6
[mm]	771	358	130	325	270	479	65

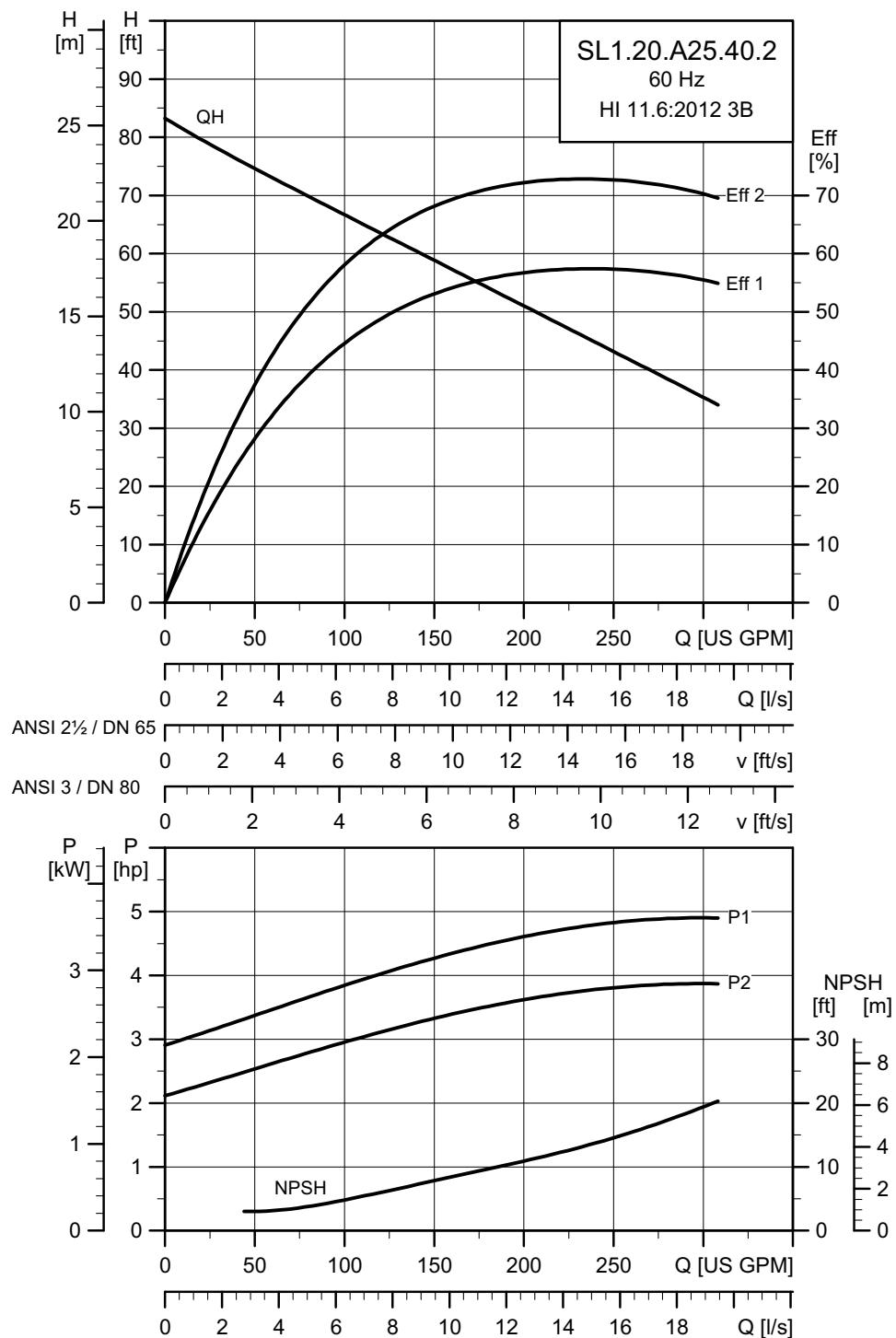
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	4.0 (3.0)	3.0 (2.2)	2	3503	DOL	9.5 - 8.9	68	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.154 (0.0065)	15.5 (21)
61R	3 x 230 V D/ 460 V Y	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	8.55	50	84	85.2	83.8	0.81	0.87	0.9	1.15	0.154 (0.0065)	12.5 (17)
61L	3 x 575 V D Y/D	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	3.5	26	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.154 (0.0065)	15.5 (21)

Pump data

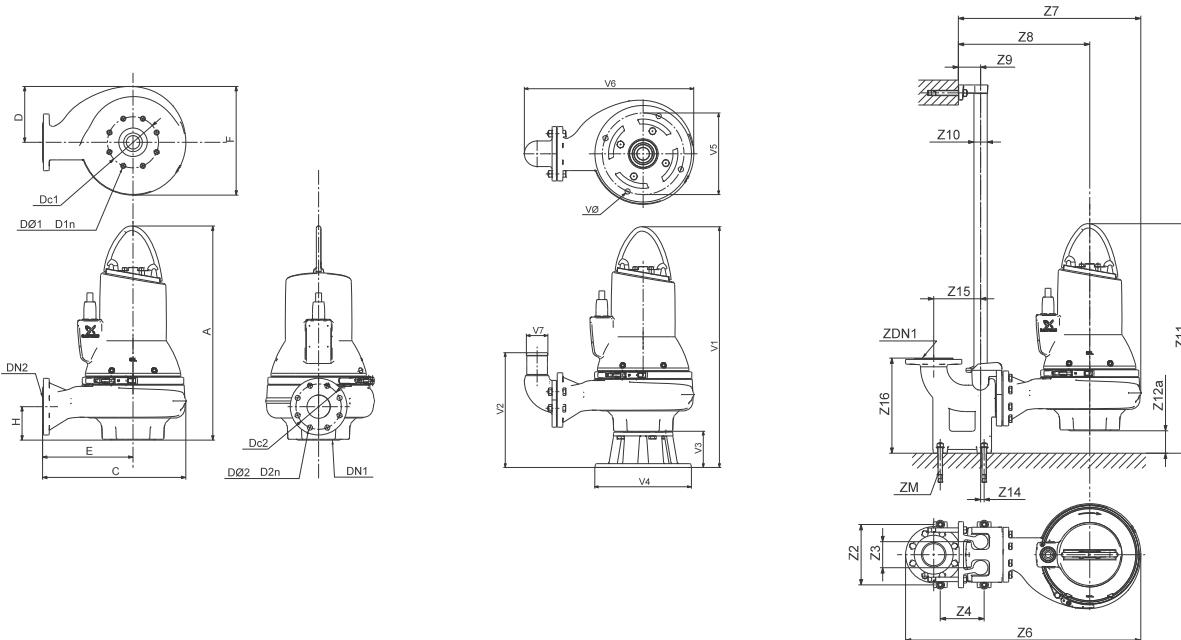
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	2 (50)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.20.A25.40.2--C



TM04 7834194

Dimensional sketches: SL1.20.A25.40.2--C



TM04 2794 3008 - TM04 2795 3008 - TM04 2793 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	25.2	14.4	6.7	8.5	12.6	3.7	2.5	5.5	4 x M16	2.5	5.5	407.2 lb
[mm]	641	366	171	216	321	69	DN 65	140	4 x M16	DN 65	140	94 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.3	3.7	5.5	27.6	20.3	14.3	3.2	1.5	29.1	3.8	0.1	6.9
[mm]	210	95	140	700	514	364	81	40	738	97	1	175
ZDN1	ZM											
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13
[in.]	30.4	14.1	5.1	12.8	10.6	18.8	2.6	0.7				
[mm]	771	358	130	325	270	479	65	19				

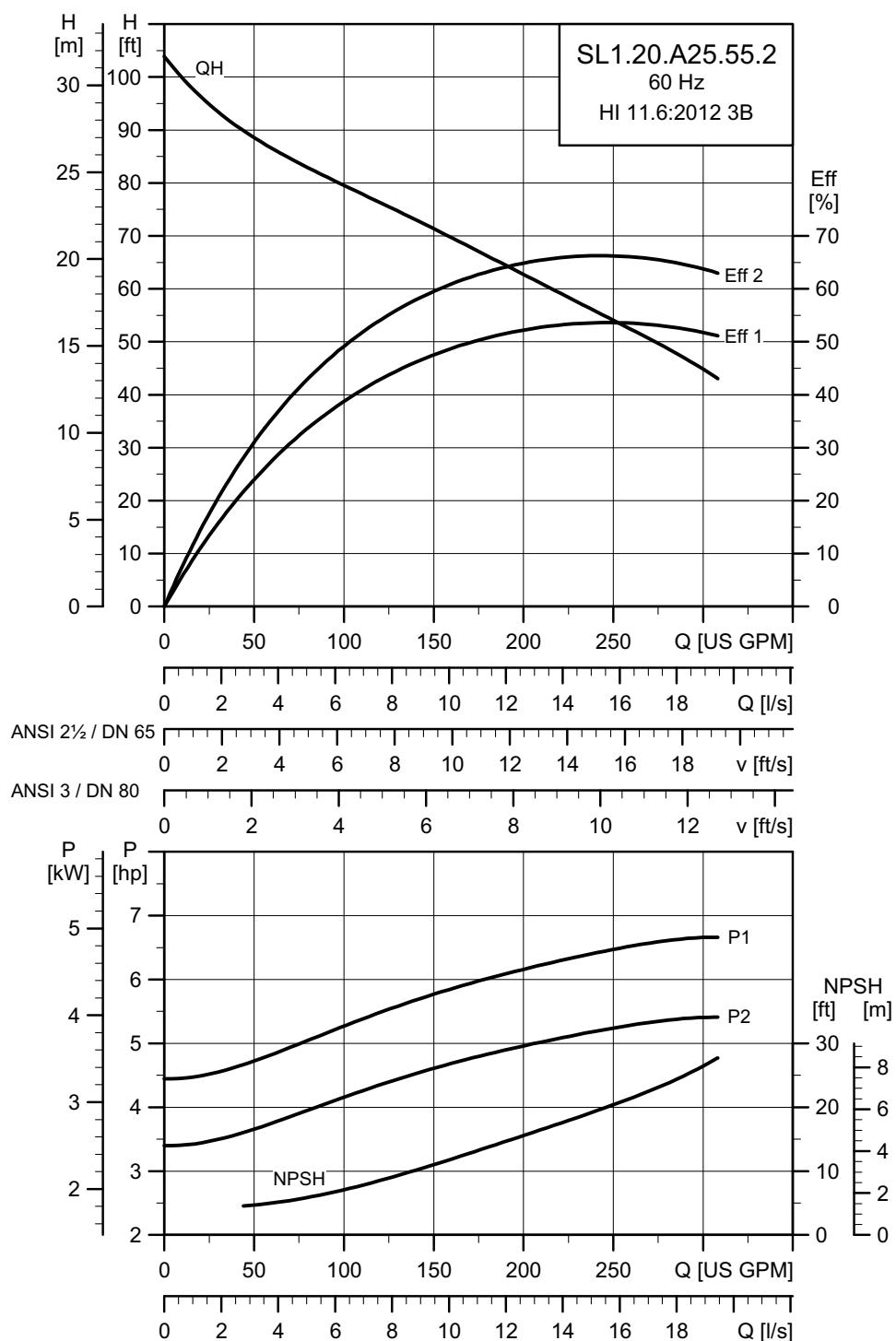
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	5.1 (3.8)	4.0 (3.0)	2	3515	DOL	12.4 - 12.3	98	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.154 (0.0065)	40.6 (55)
61R	3 x 230 V D/ 460 V Y	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	11.4	80	85.3	85.9	85.5	0.8	0.86	0.89	1.15	0.154 (0.0065)	20.6 (28)
61L	3 x 575 V D Y/D	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	4.5	37	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.154 (0.0065)	40.6 (55)

Pump data

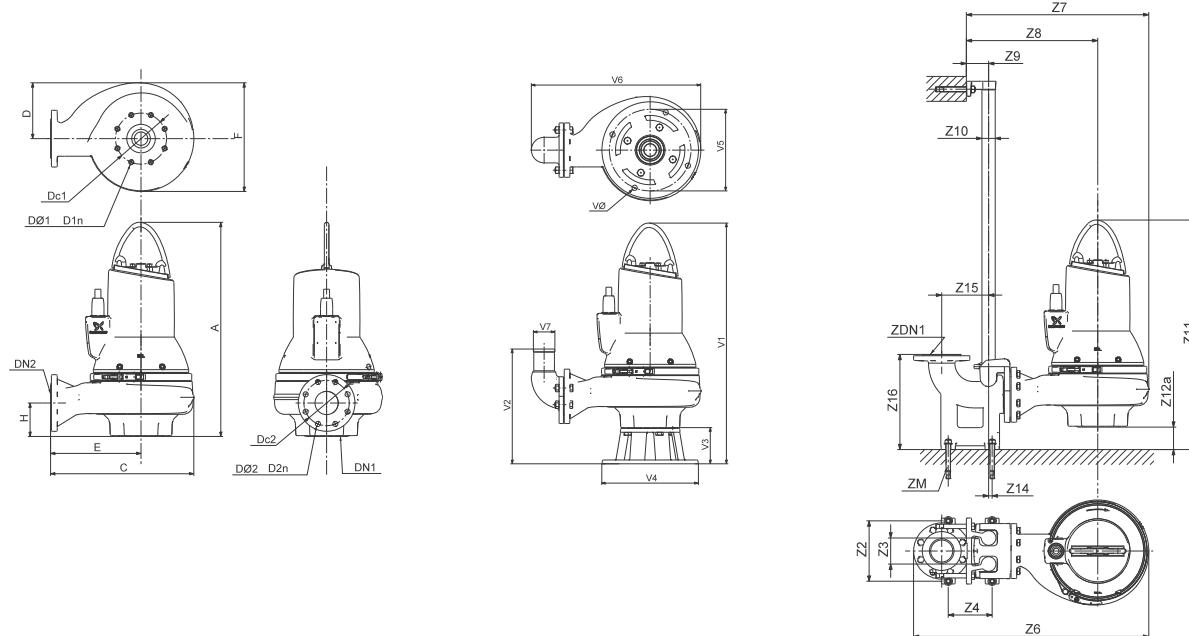
Impeller type	Max. solids size		Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	[PN]							
S-tube	2 (50)	10		20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.20.A25.55.2--.C



TM047835194

Dimensional sketches: SL1.20.A25.55.2--C



TM04 2794 3008 - TM04 2795 3008 - TM04 2793 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	26.7	16	7.9	8.9	14.9	3.7	2.5	5.5	4 x M16	2.5	5.5	279.9 lb
[mm]	677	407	200	227	379	69	DN 65	140	4 x M16	DN 65	140	127 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.3	3.7	5.5	29.2	21.9	14.8	3.2	1.5	30.5	3.8	0.1	6.9
[mm]	210	95	140	741	555	375	81	40	774	97	1	175
ZDN1	ZM											
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	VØ
[in.]	31.8	14.1	5.1	12.8	10.6	20.5	2.6	0.7				
[mm]	807	358	130	325	270	520	65	19				

Electrical data

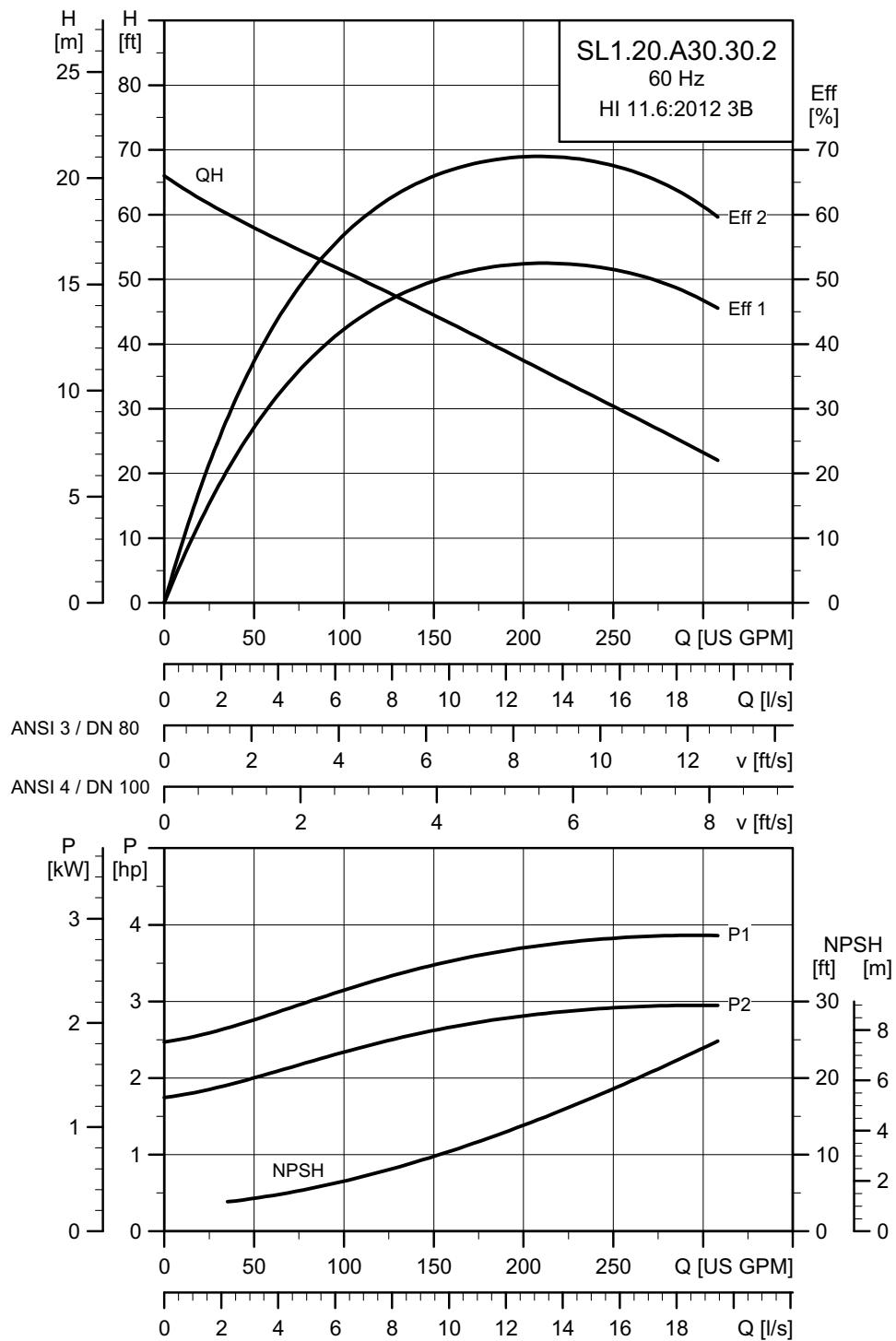
Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D	6.7 (5.0)	5.0 (4.0)	2	3535	DOL	15.2 - 14.7	166	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.119 (0.0050)	41.3 (56)
61R	3 x 230 V D/ 460 V Y	6.7 (5.0)	5.0 (4.0)	2	3535	Y/D	14.4	120	82.7	85.4	86.1	0.8	0.87	0.9	1.15	0.119 (0.0050)	28.7 (56)
61L	3 x 575 V D Y/D	6.8 (5.0)	5.0 (4.0)	2	3535	Y/D	5.5	64	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.119 (0.0050)	41.3 (56)

Pump data

Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	2 (50)	10	20	IP68	H	A	104 (40)	4-14

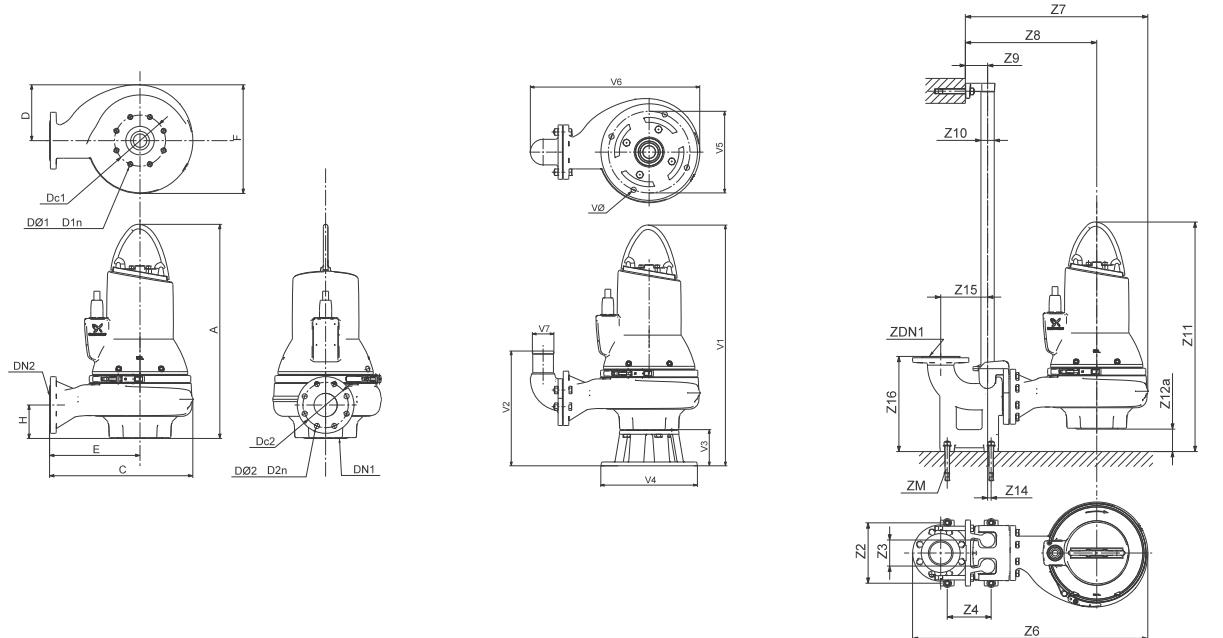
SL1.20.A30

Performance curves: SL1.20.A30.30.2.--.C



TM0478391614

Dimensional sketches: SL1.20.A30.30.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	25.2	14.4	6.7	8.5	12.6	3.9	2.5	5.5	4 x M16	3	6	8 x 0.75
[mm]	641	366	171	216	321	69	DN 65	140	4 x M16	DN 80	153	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	28.3	20.7	14.8	3.2	1.5	30.4	5.2	0.51	6.7
[mm]	220	95	160	719	526	376	81	40	772	131	13	171
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	30.4	14.7	5.1	12.8	10.6	19	3.2					
[mm]	771	373	130	325	270	482	80					

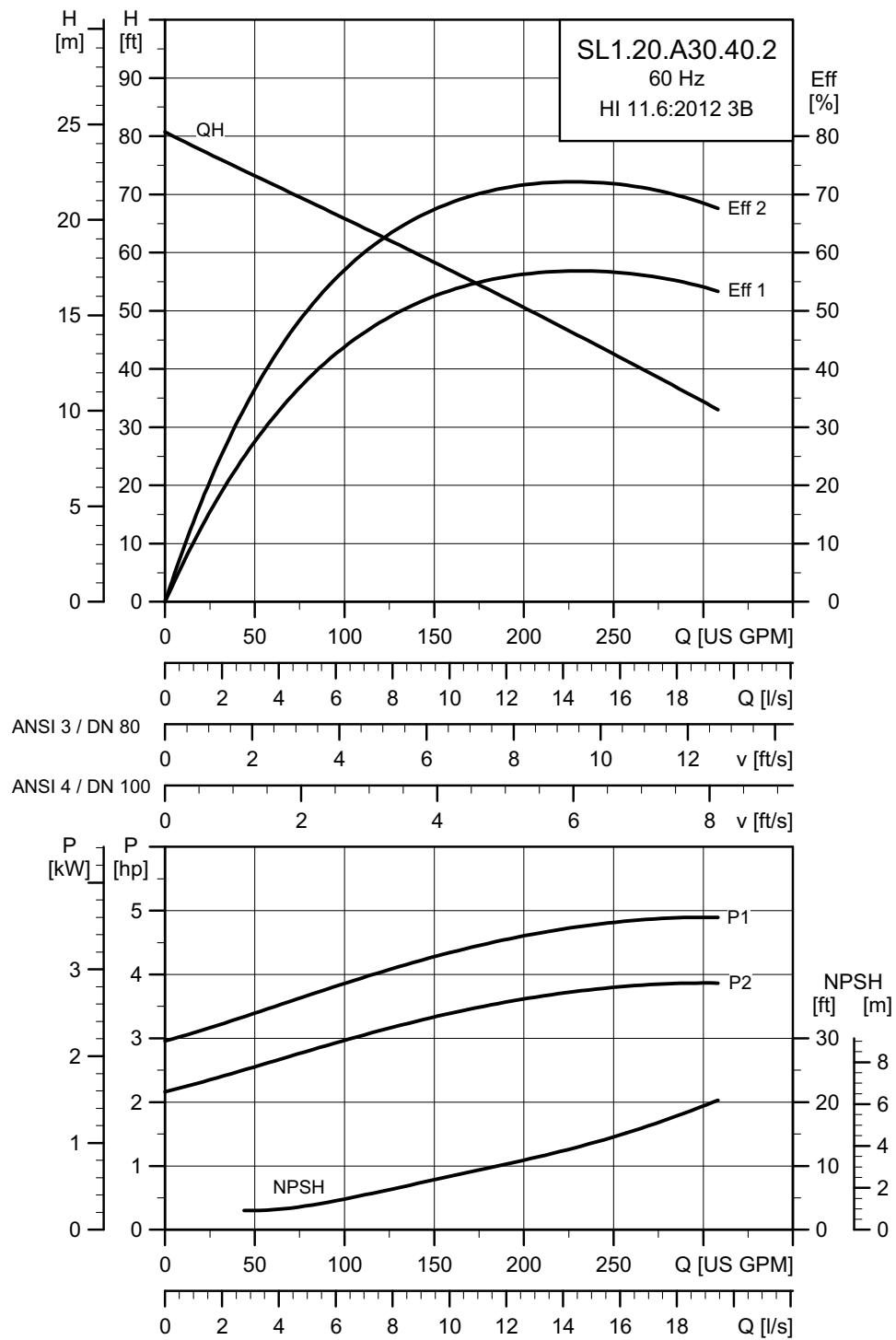
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor} [%]			cos φ	SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2					
60J	3 x 208-230 V D	4.0 (3.0)	3.0 (2.2)	2	3503	DOL	9.5 - 8.9	68	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.119 (0.0050)	15.5 (21)
61R	3 x 230 V D/ 460 V Y	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	8.55	50	84	85.2	83.8	0.81	0.87	0.9	1.15	0.119 (0.0050)	12.5 (17)
61L	3 x 575 V D Y/D	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	3.5	26	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.119 (0.0050)	15.5 (21)

Pump data

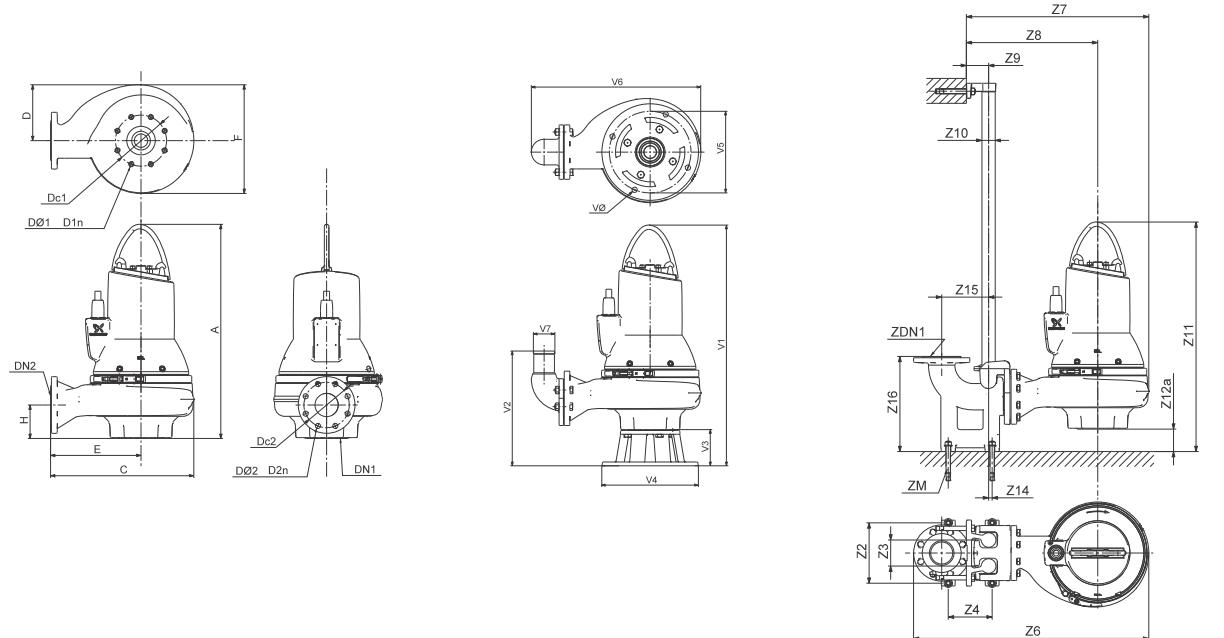
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	2 (50)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.20.A30.40.2--C



TM0478371914

Dimensional sketches: SL1.20.A30.40.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1	D1n	DN 2	Dc2	DØ2	D2n	Weight
[in.]	25.2	14.4	6.7	8.5	12.6	3.9	2.5	5.5	4 x M16	3	6	8 x 0.75	208.9 lb	
[mm]	641	366	171	216	321	69	DN 65	140	4 x M16	DN 80	153	8 x 19.1	94.8 kg	
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM
[in.]	8.7	3.7	6.3	28.3	20.7	14.8	3.2	1.5	30.4	5.2	0.5	6.7	13.6	3.0
[mm]	220	95	160	719	526	376	81	40	772	131	13	171	345	80
V1	V2	V3	V4	V5	V6	V7	VØ							
[in.]	30.4	14.7	5.1	12.8	10.6	19	3.2	0.7						
[mm]	771	373	130	325	270	482	80	19						

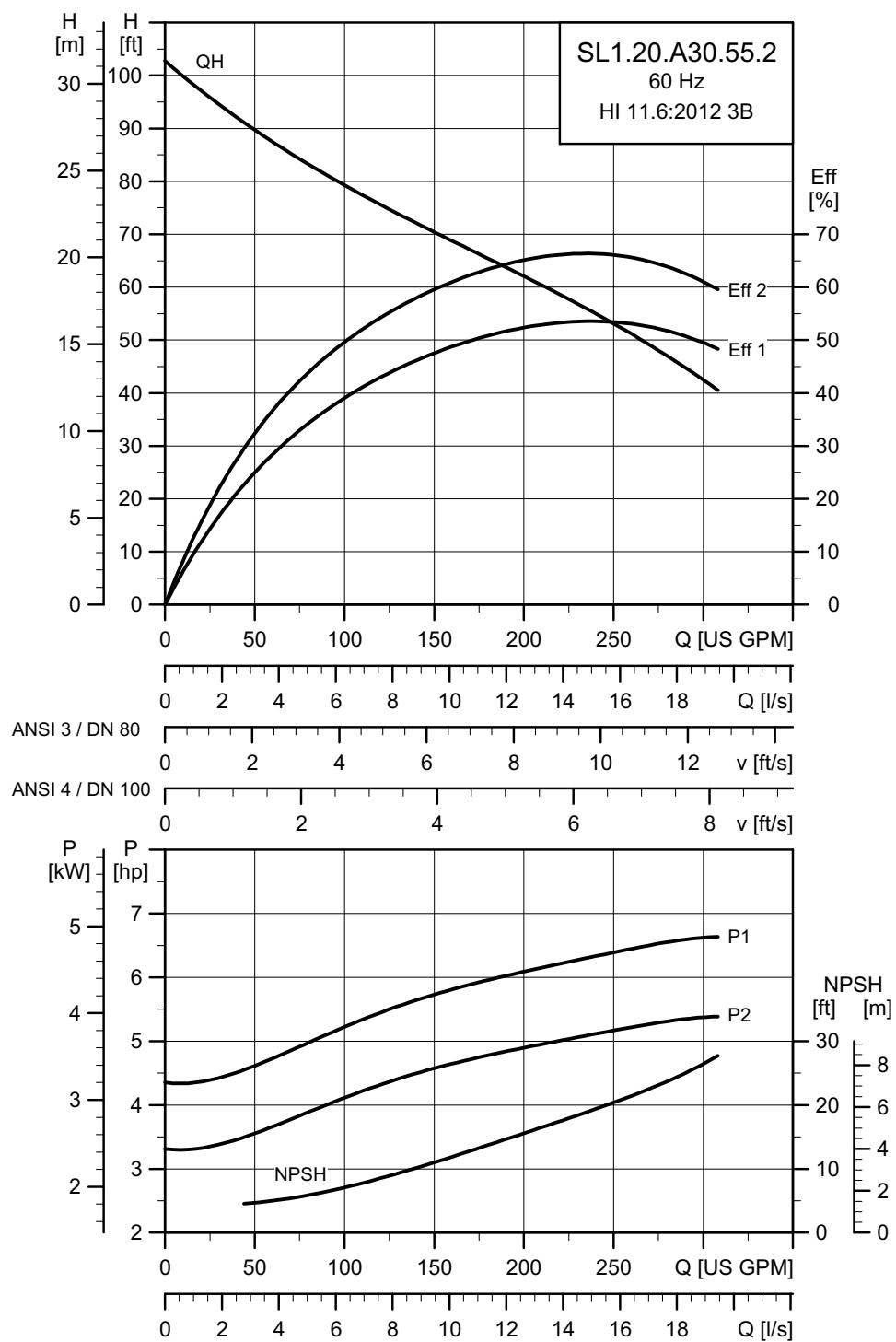
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	5.1 (3.8)	4.0 (3.0)	2	3515	DOL	12.4 - 12.3	98	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.204 (0.0086)	40.6 (55)
61R	3 x 230 V D/ 460 V Y	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	11.4	80	85.3	85.9	85.5	0.8	0.86	0.89	1.15	0.204 (0.0086)	20.7 (28)
61L	3 x 575 V D Y/D	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	4.5	37	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.204 (0.0086)	40.6 (55)

Pump data

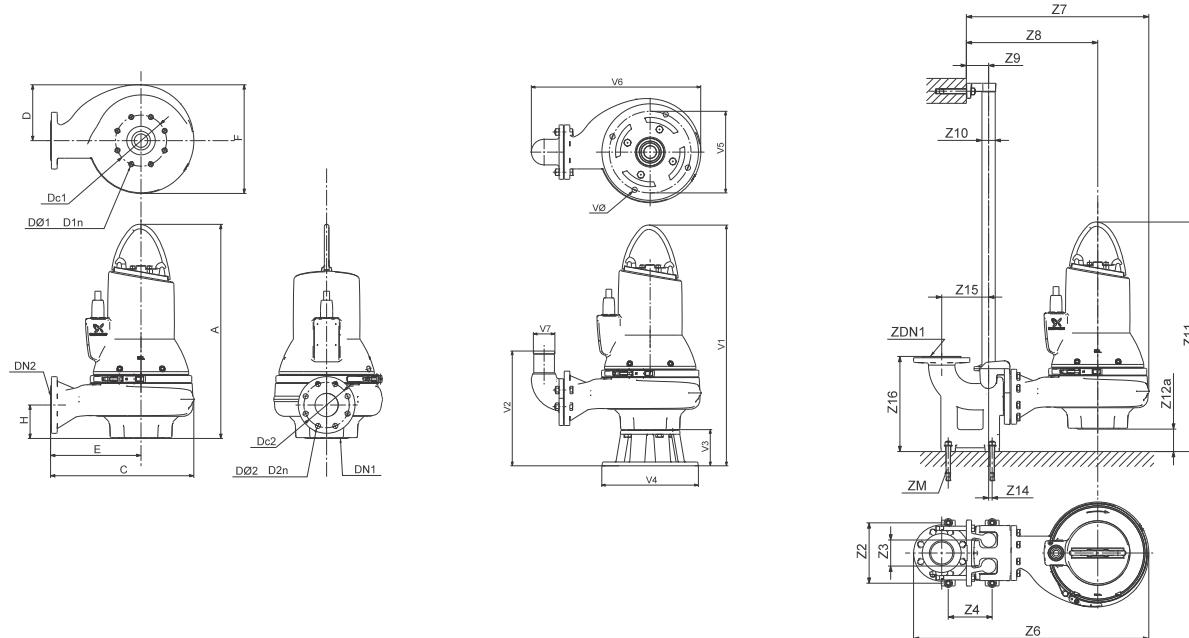
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	2 (50)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.20.A30.55.2--C



TM04 738-194

Dimensional sketches: SL1.20.A30.55.2---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

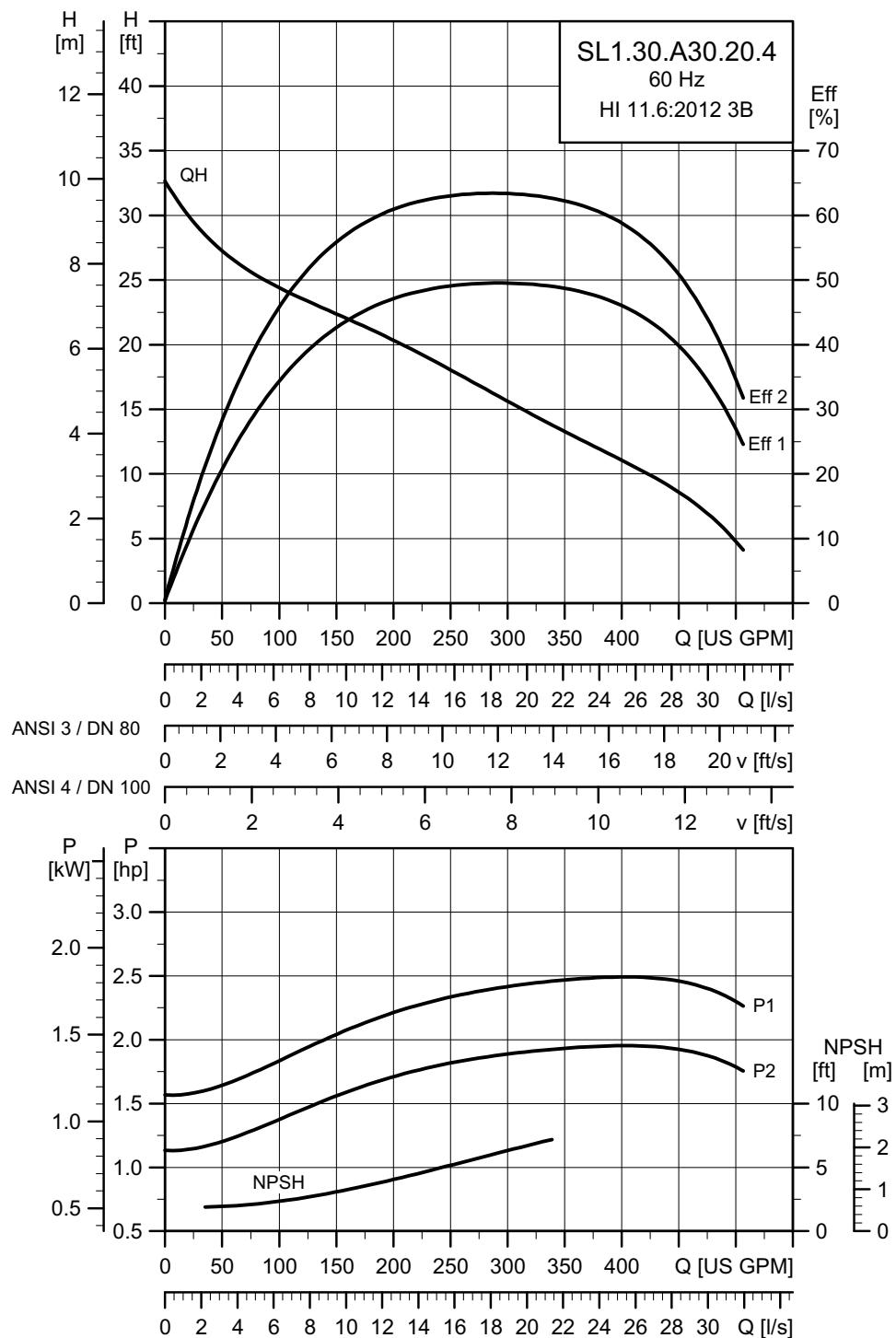
A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight			
[in.]	26.7	16	7.9	8.9	14.9	3.9	2.5	5.5	4 x M16	3	6	8 x 0.75	281.7 lb		
[mm]	677	407	200	227	379	69	DN 65	140	4 x M16	DN 80	153	8 x 19.1	127.8 kg		
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	29.9	22.4	15.2	3.2	1.5	31.8	5.2	0.5	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	760	567	387	81	40	808	131	13	171	345	80	4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	31.8	14.7	5.1	12.8	10.6	20.6	3.2	0.7							
[mm]	807	373	130	325	270	523	80	19							

Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	6.7 (5.0)	5.0 (4.0)	2	3535	DOL	15.2 - 14.7	166	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.204 (0.0086)	41.3 (56)
61R	3 x 230 V D/ 460 V Y	6.7 (5.0)	5.0 (4.0)	2	3535	Y/D	14.4	120	82.7	85.4	86.1	0.8	0.87	0.9	1.15	0.204 (0.0086)	28.8 (39)
61L	3 x 575 V D Y/D	6.8 (5.0)	5.0 (4.0)	2	3535	Y/D	5.5	64	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.204 (0.0086)	41.3 (56)

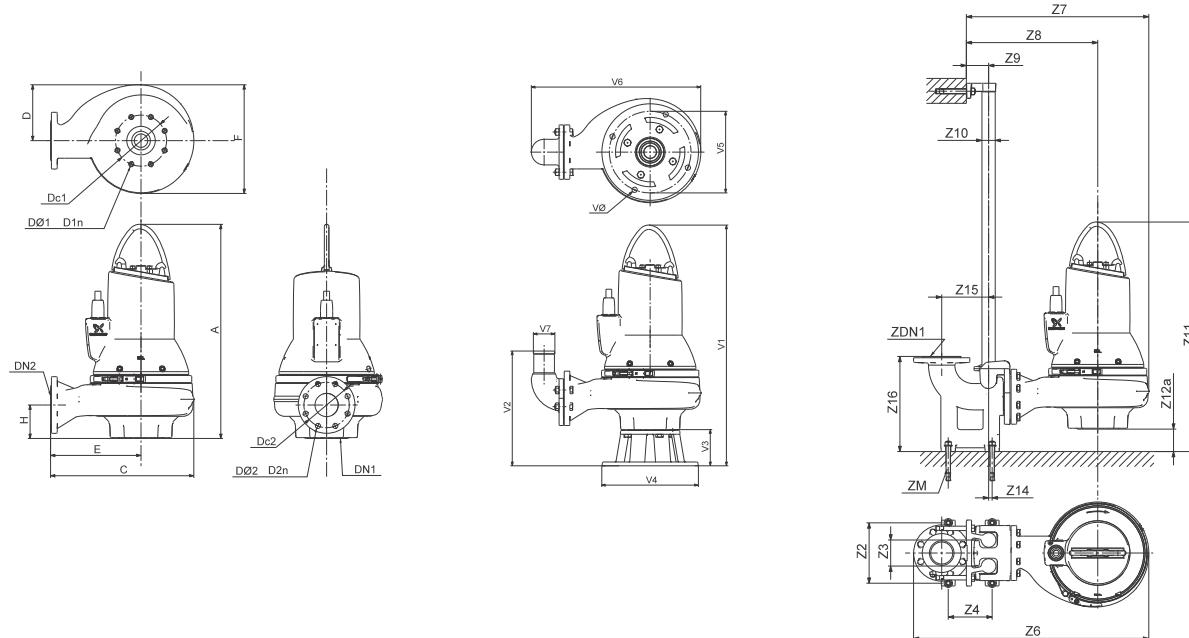
Pump data

Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	2 (50)	10	20	IP68	H	A	104 (40)	4-14

SL1.30.A30Performance curves: **SL1.30.A30.20.4.--.C**

T10478391914

Dimensional sketches: SL1.30.A30.20.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	26.9	17.1	6.7	10.7	13.7	3.9	4	7.5	8 x M16	3	6	8 x 0.75
[mm]	682	435	171	272	347	89	DN 100	191	8 x M16	DN 80	153	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	31	23.5	17	3.2	1.5	31.3	4.4	0.5	6.7
[mm]	220	95	160	788	595	432	81	40	793	111	13	171
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13
[in.]	32.0	15.5	5.1	14	11.8	21.7	3.2	0.7	1.0	1.5	2.0	3.0
[mm]	812	393	130	355	300	551	80	19	25	35	50	75

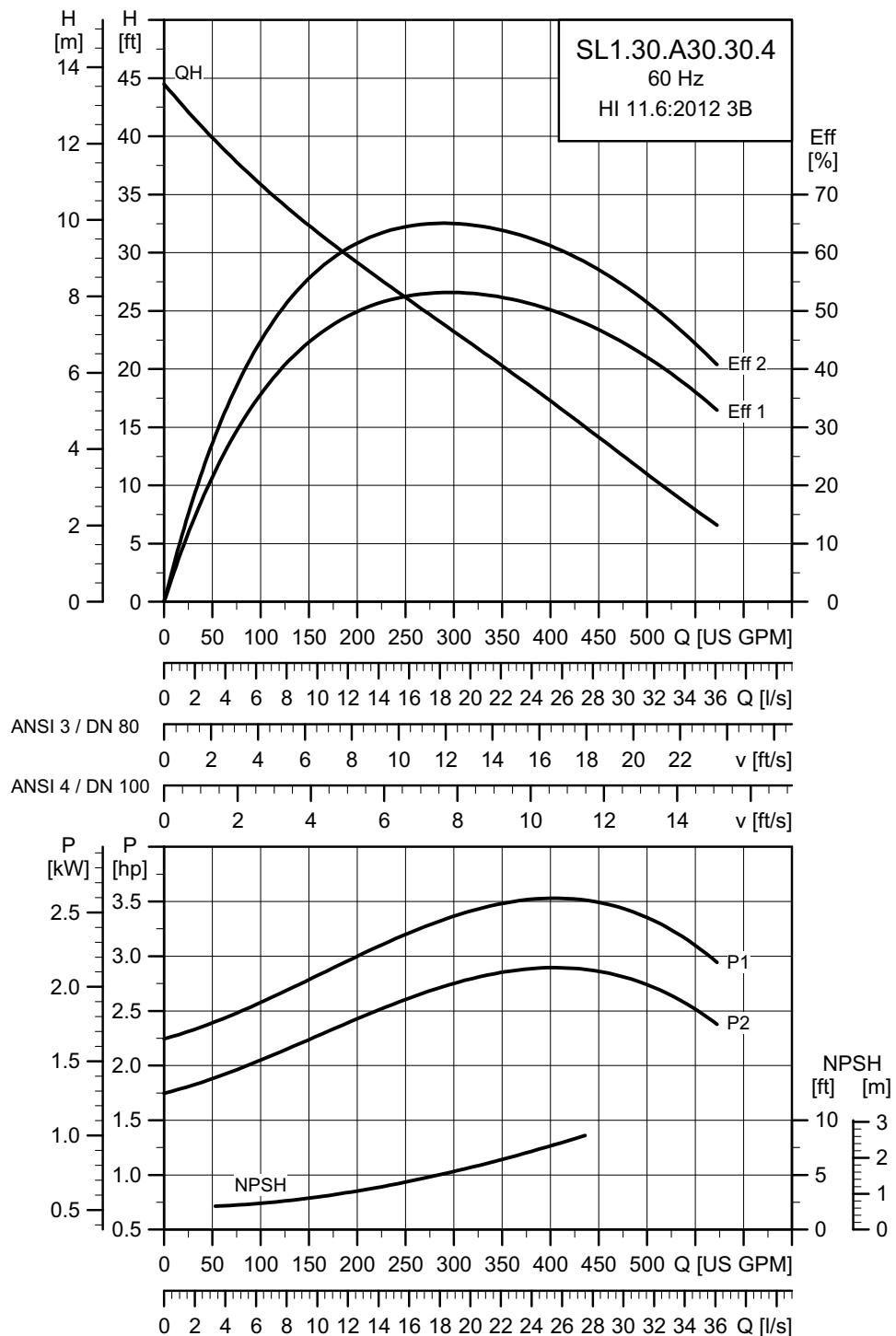
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor} [%]				Cos φ		SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	7.1 - 7.9	53	83.3	85.7	86.0	0.51	0.63	0.72	1.15	0.297 (0.0125)	22.1 (30)
61R	3 x 230 V D/ 460 V Y	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	6.55	40	84.2	85.7	85.4	0.56	0.69	0.76	1.15	0.297 (0.0125)	18.4 (25)
60L	3 x 575 V D DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	0.297 (0.0125)	22.1 (30)
61L	3 x 575 V D Y/D	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	0.297 (0.0125)	22.1 (30)

Pump data

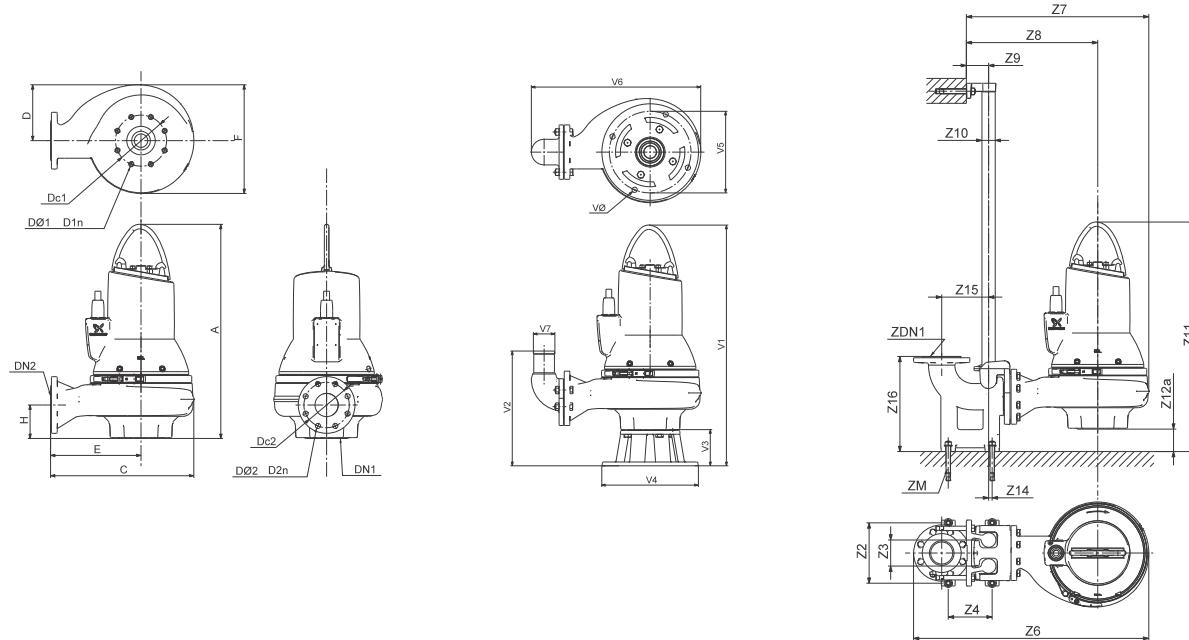
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A30.30.4--C



TM047840 1.914

Dimensional sketches: SL1.30.A30.30.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	26.9	17.1	6.7	10.7	13.7	3.9	4.0	7.5	8 x M16	3.0	6.0	8 x 0.75
[mm]	682	435	171	272	347	89	DN 100	191	8 x M16	DN 80	153	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	31.0	23.5	17.0	3.2	1.5	31.3	4.4	0.5	6.7
[mm]	220	95	160	788	595	432	81	40	793	111	13	171
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	32.0	15.5	5.1	14.0	11.8	21.7	3.2					0.7
[mm]	812	393	130	355	300	551	80					19

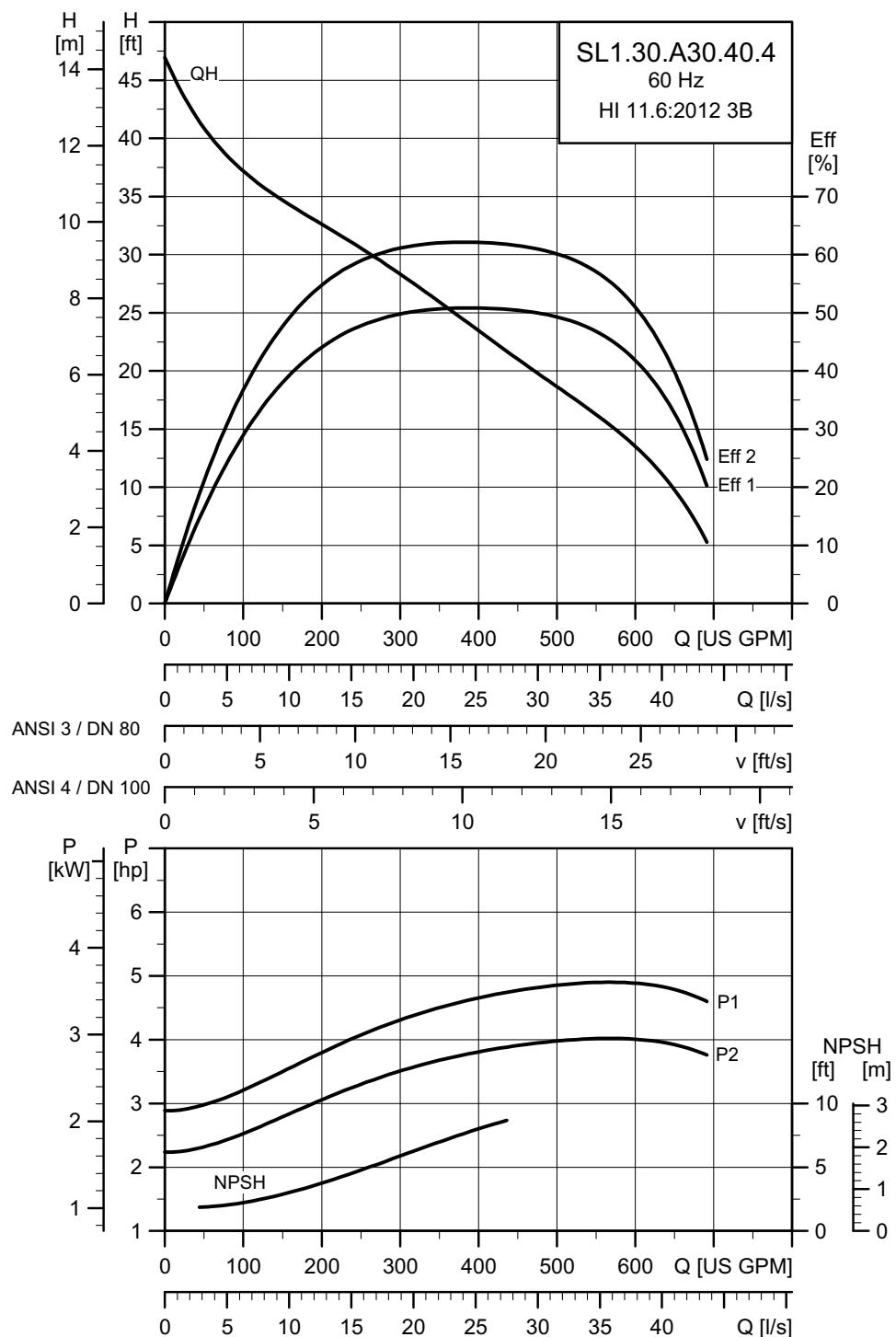
Electrical data

Pump type	Voltage [V]	P1 [hp] (kW)	P2 [hp] (kW)	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor} [%]			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	3.7 (2.7)	3.0 (2.2)	4	1763	DOL	9.8 - 10.6	70	84.7	86.6	87.0	0.59	0.70	0.76	1.15	0.297 (0.0125)	26.6 (36)
61R	3 x 230 V D/ 460 V Y	3.7 (2.7)	3.0 (2.2)	4	1763	Y/D	8.95	40	85.5	86.6	86.3	0.65	0.75	0.8	1.15	0.297 (0.0125)	26.6 (36)
61L	3 x 575 V D Y/D	3.7 (2.7)	3.0 (2.2)	4	1763	Y/D	3.5	27	84.7	86.6	87.0	0.59	0.70	0.76	1.15	0.297 (0.0125)	26.6 (36)

Pump data

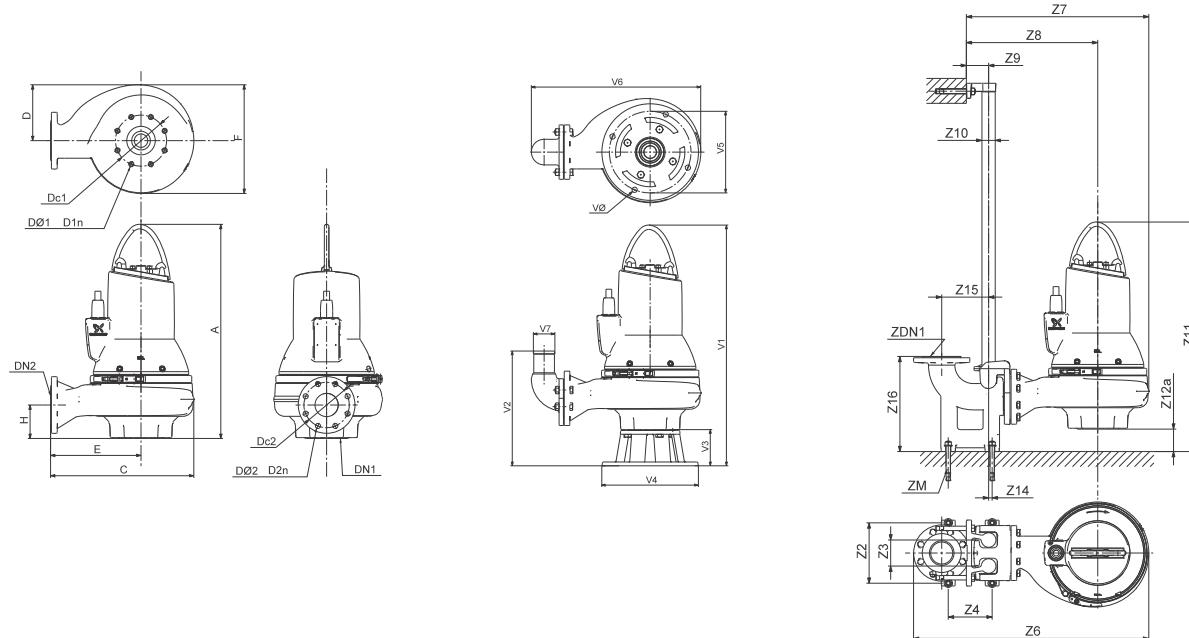
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A30.40.4--C



TM04-1914

Dimensional sketches: SL1.30.A30.40.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight			
[in.]	28	19.9	7.9	12.6	15.6	4.6	4.0	7.5	8 x M16	3.0	6.0	8 x 0.75	288.9 lb		
[mm]	711	505	200	319	397	118	DN 100	191	8 x M16	DN 80	153	8 x 19.1	131.1 kg		
<hr/>															
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	33.8	26.2	18.9	3.2	1.5	31.3	3.2	0.5	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	858	665	479	81	40	793	82	13	171	345	80	4 x M16
<hr/>															
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	33.1	16.6	5.1	14.0	11.8	24.4	3.2	0.7							
[mm]	841	422	130	355	300	621	80	19							

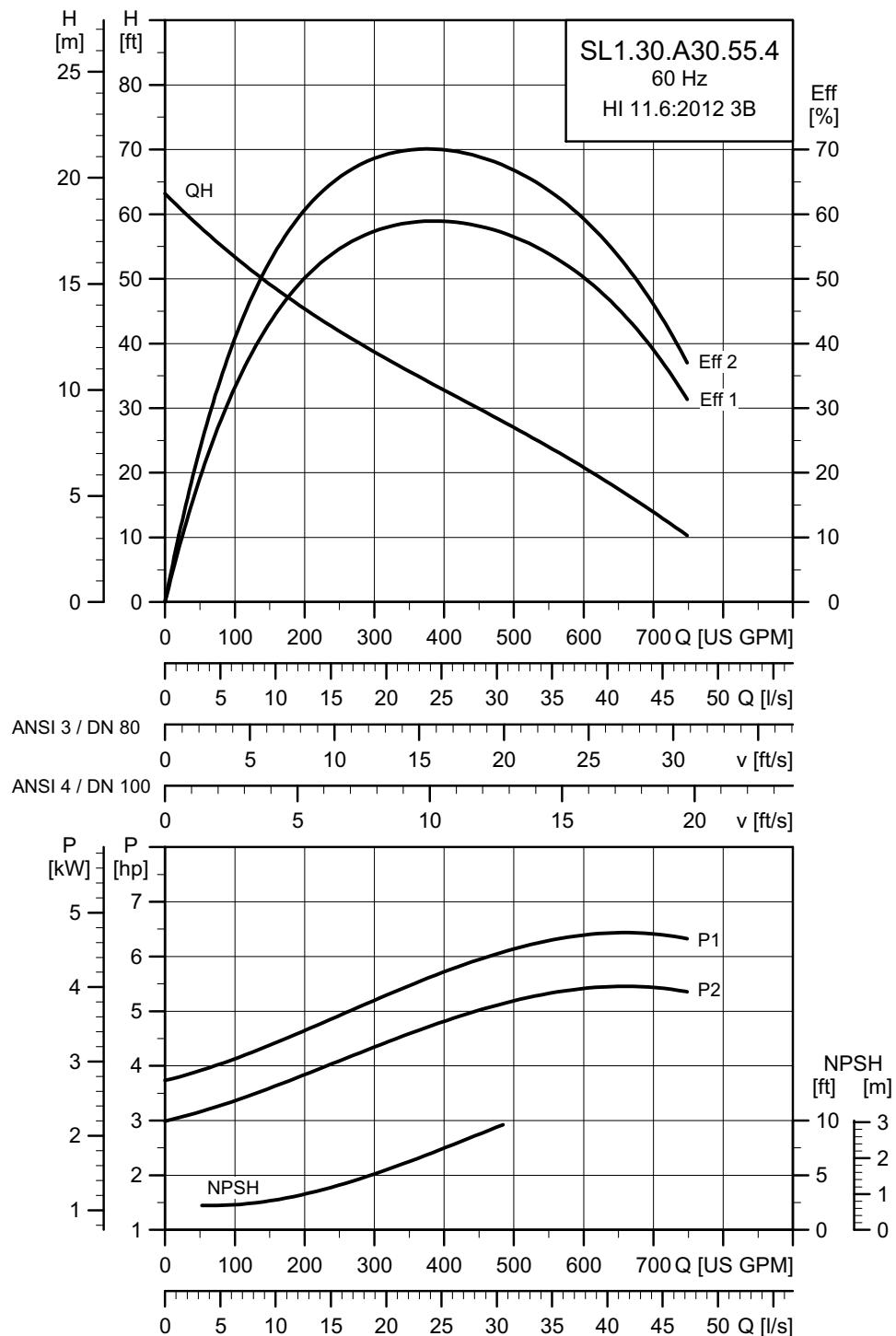
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	5.5 (4.0)	4.0 (3.0)	4	1755	DOL	12.5 - 12.9	98	84.6	86.3	86.4	0.63	0.75	0.79	1.15	0.337 (0.0142)	40.6 (55)
61R	3 x 230 V D/ 460 V Y	5.1 (3.7)	4.0 (3.0)	4	1755	Y/D	12	75	85	86.0	85.6	0.70	0.79	0.82	1.15	0.337 (0.0142)	32.5 (44)
61L	3 x 575 V D Y/D	5.1 (3.7)	4.0 (3.0)	4	1755	Y/D	4.5	37	84.6	86.3	86.4	0.63	0.75	0.79	1.15	0.337 (0.0142)	40.6 (55)

Pump data

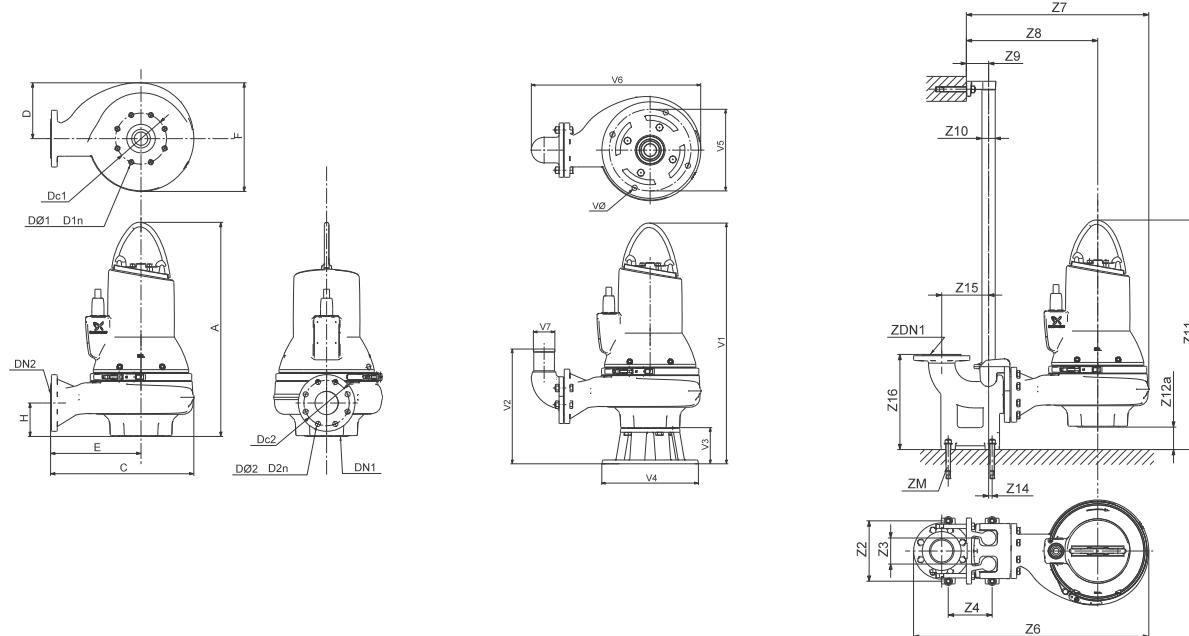
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A30.55.4--C



TNO47842 1914

Dimensional sketches: SL1.30.A30.55.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.4	19.9	7.9	12.6	15.6	4.6	4.0	7.5	8 x M16	3.0	6.0	8 x 0.75
[mm]	748	505	200	319	397	118	DN 100	191	8 x M16	DN 80	153	8 x 19.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	33.8	26.2	18.9	3.2	1.5	32.7	3.2	0.5	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	858	665	479	81	40	830	82	13	171	345	80	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ	
[in.]	34.6	16.6	5.1	14.0	11.8	24.4	3.2	0.7
[mm]	878	422	130	355	300	621	80	19

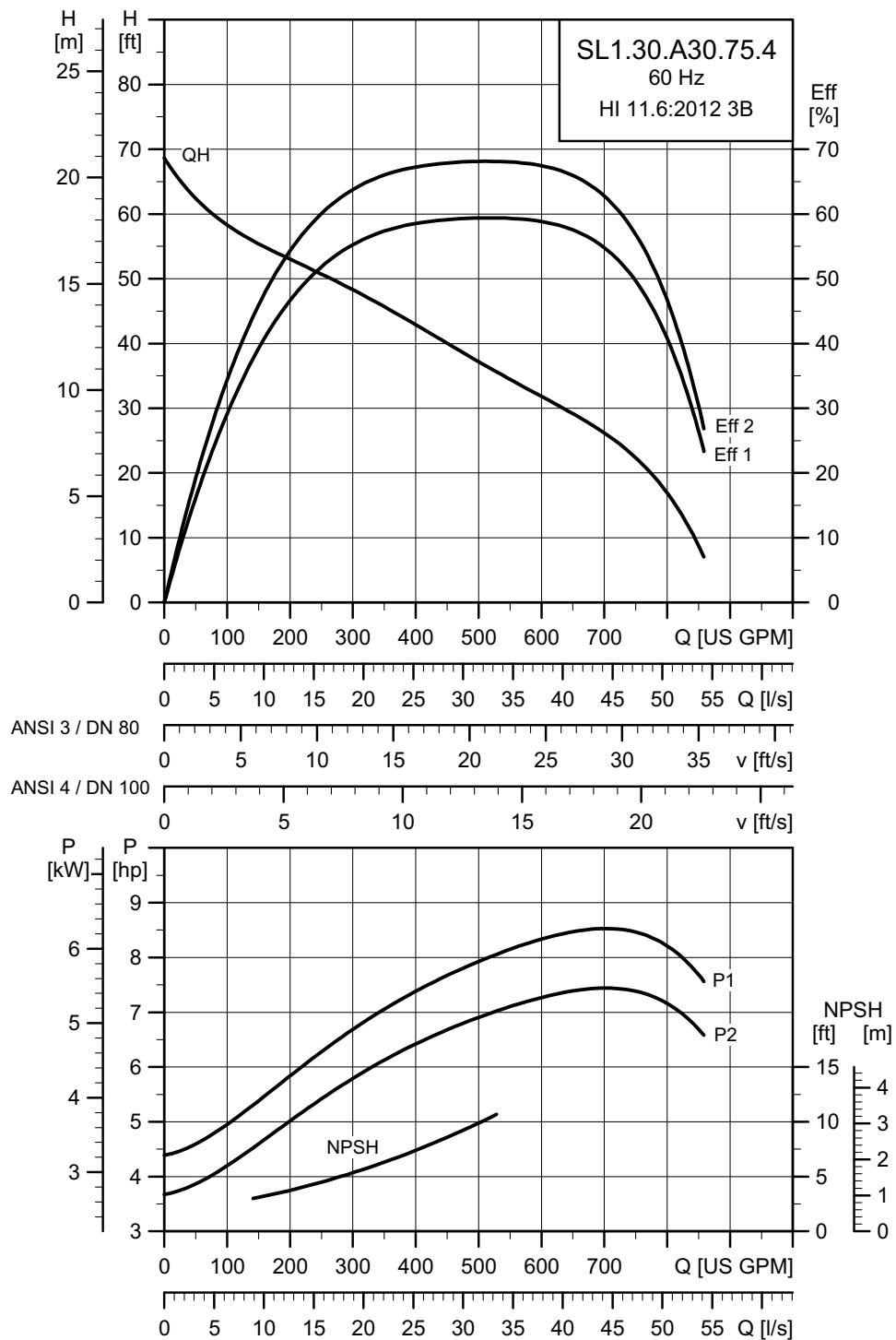
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	6.5 (4.8)	5.5 (4.0)	4	1767	DOL	17.3 - 19.0	133	85.3	87.4	88.2	0.53	0.66	0.74	1.15	0.337 (0.0142)	61.2 (83)		
61R	3 x 230 V D/ 460 V Y	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	16.2	120	86.2	87.8	87.8	0.59	0.70	0.78	1.15	0.337 (0.0142)	48.7 (66)		
61L	3 x 575 V D Y/D	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	0.337 (0.0142)	61.2 (83)		

Pump data

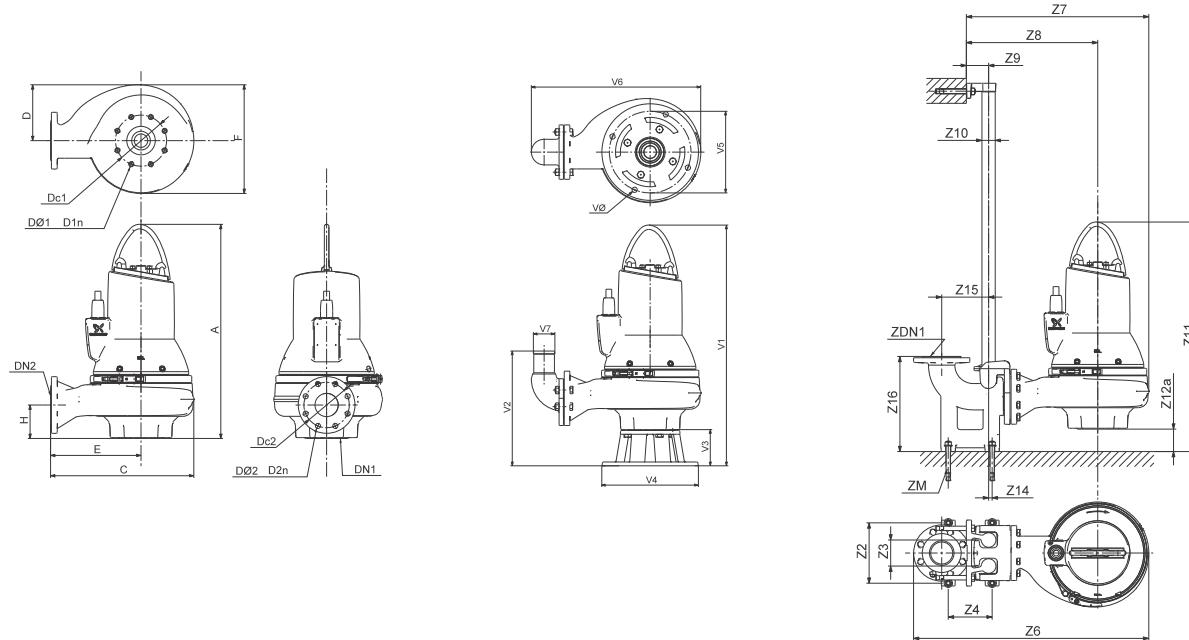
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A30.75.4.--.C



TM04 7843 1914

Dimensional sketches: SL1.30.A30.75.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.7	19.9	7.9	12.6	15.6	4.6	4.0	7.5	8 x M16	3.0	6.0	8 x 0.75
[mm]	755	505	200	319	397	118	DN 100	191	8 x M16	DN 80	153	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	33.8	26.2	18.9	3.2	1.5	33.0	3.2	0.5	6.7
[mm]	220	95	160	858	665	479	81	40	837	82	13	171
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	34.9	16.6	5.1	14.0	11.8	24.4	3.2					0.7
[mm]	885	422	130	355	300	621	80					19

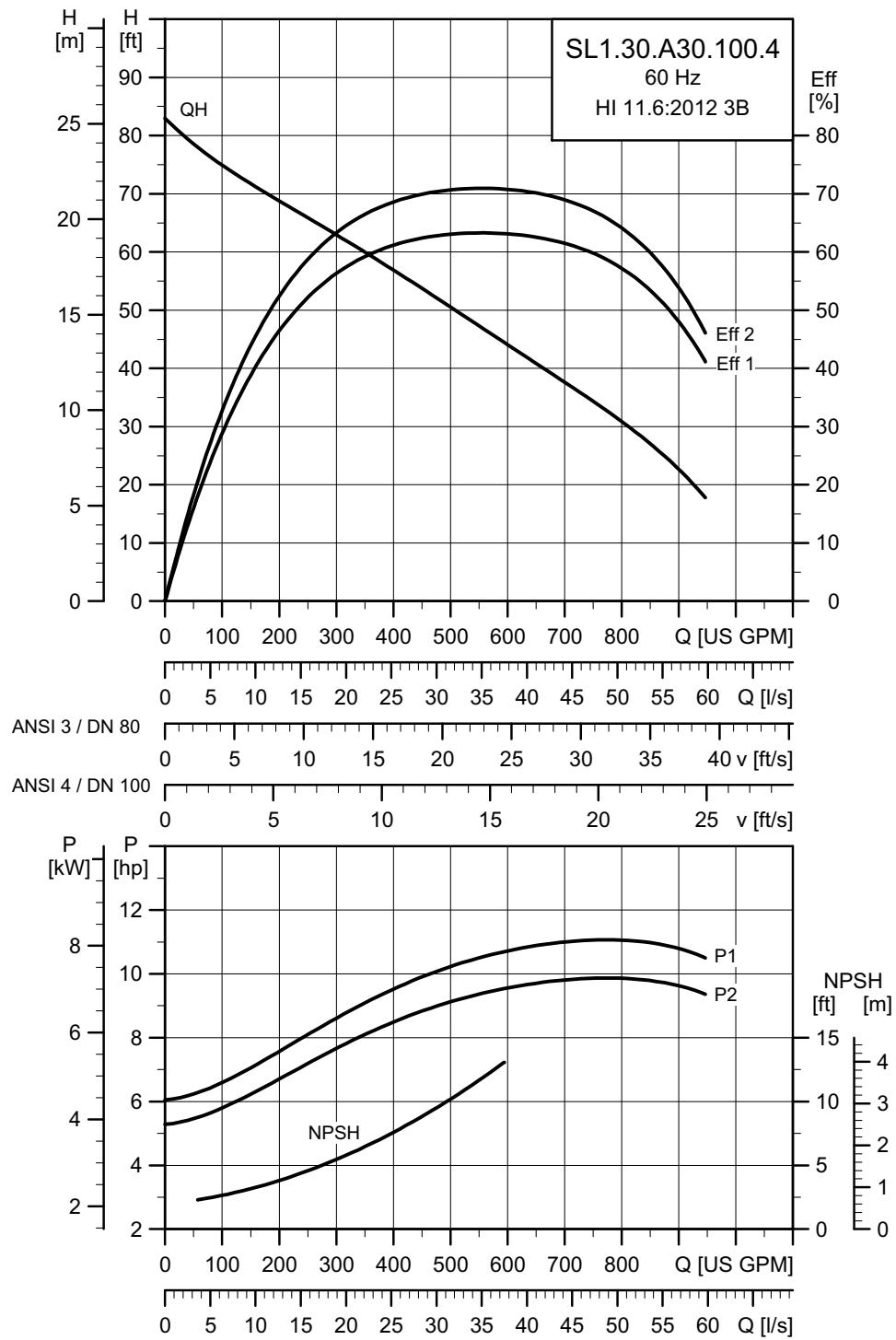
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	8.5 (6.3)	7.4 (5.5)	4	1765	DOL	20.2 - 19.7	149	88.9	90.0	89.6	0.73	0.81	0.86	1.15	0.643 (0.0271)	73.0 (99)
61R	3 x 230 V D/ 460 V Y	8.7 (6.4)	7.4 (5.5)	4	1765	Y/D	19.2	120	88.2	90.0	88.9	0.77	0.84	0.87	1.15	0.643 (0.0271)	60.5 (82)
61L	3 x 575 V D Y/D	8.7 (6.4)	7.4 (5.5)	4	1765	Y/D	7.3	57	88.9	90.0	89.6	0.73	0.81	0.86	1.15	0.643 (0.0271)	73.0 (99)

Pump data

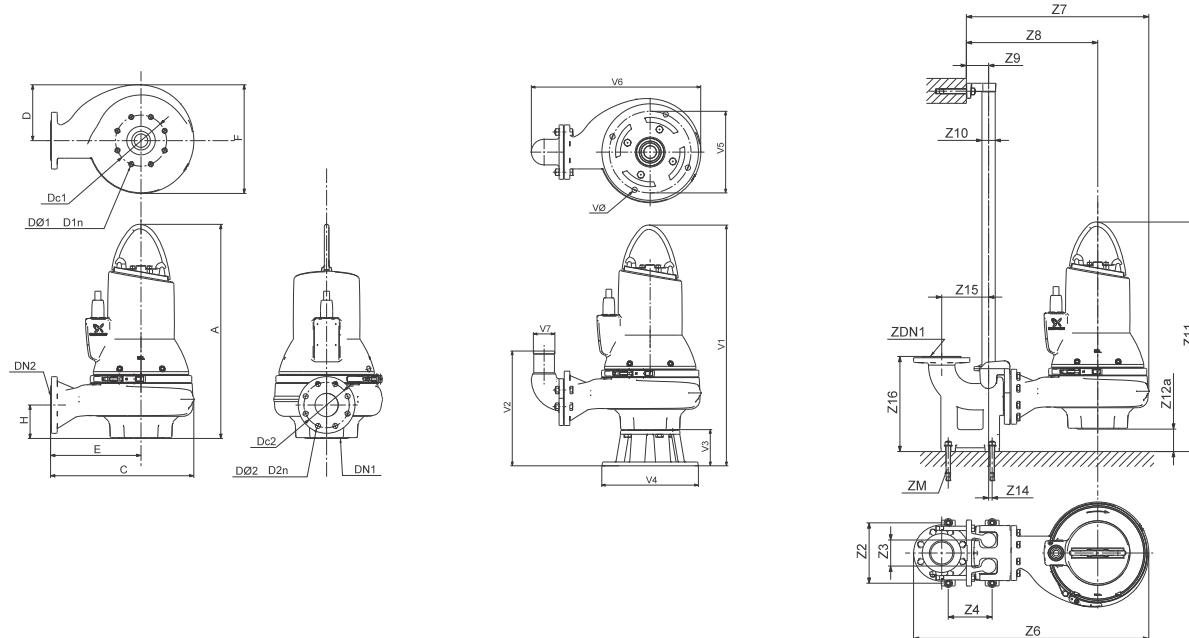
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A30.100.4---C



TM047844 11914

Dimensional sketches: SL1.30.A30.100.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

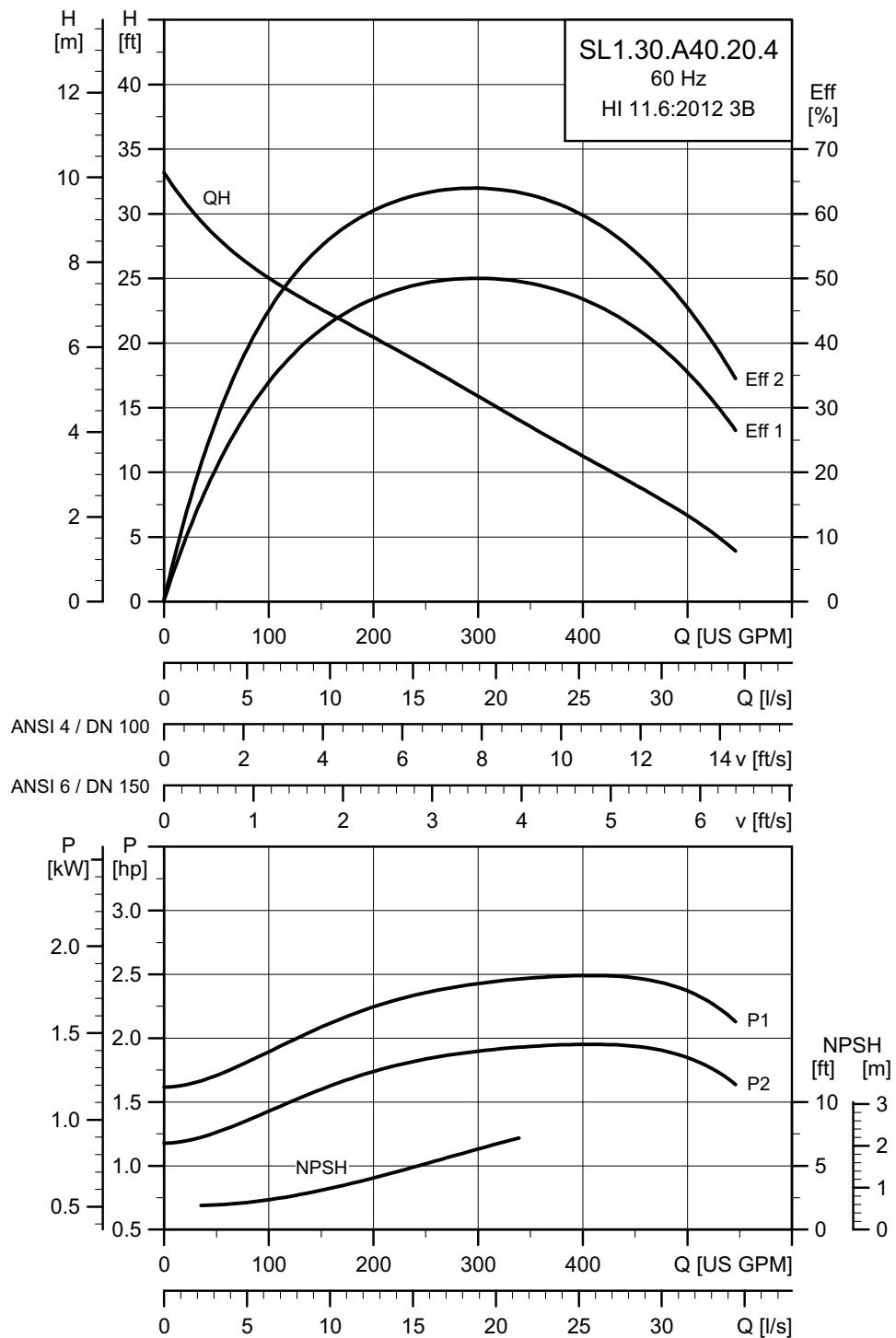
A	C	D	E	F	H	DN 1	Dc1	DØ1	D1n	DN 2	Dc2	DØ2	D2n	Weight	
[in.]	32.2	20.9	8.5	12.9	16.7	4.6	4.0	7.5	8 x M16	3.0	6.0	8 x 0.75	419 lb		
[mm]	818	530	217	328	423	118	DN 100	191	8 x M16	DN 80	153	8 x 19.1	190.1 kg		
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	34.8	27.2	19.2	3.2	1.5	35.5	3.2	0.5	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	883	690	488	81	40	900	82	13	171	345	80	4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	37.4	16.6	5.1	14.0	11.8	25.4	3.2	0.7							
[mm]	948	422	130	355	300	646	80	19							

Electrical data

Pump type	Voltage [V]	P1 [hp/hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	11.4 (8.4)	10.0 (7.5)	4	1766	DOL	27.0 - 27.5	205	91.0	91.4	91.0	0.71	0.81	0.85	1.15	0.643 (0.0271)	118 (160)
61R	3 x 230 V D/ 460 V Y	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	26	160	90.9	91.1	90.3	0.75	0.84	0.87	1.15	0.643 (0.0271)	81.1 (110)
61L	3 x 575 V D Y/D	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	9.8	79	91.0	91.4	91.0	0.71	0.81	0.85	1.15	0.643 (0.0271)	118 (160)

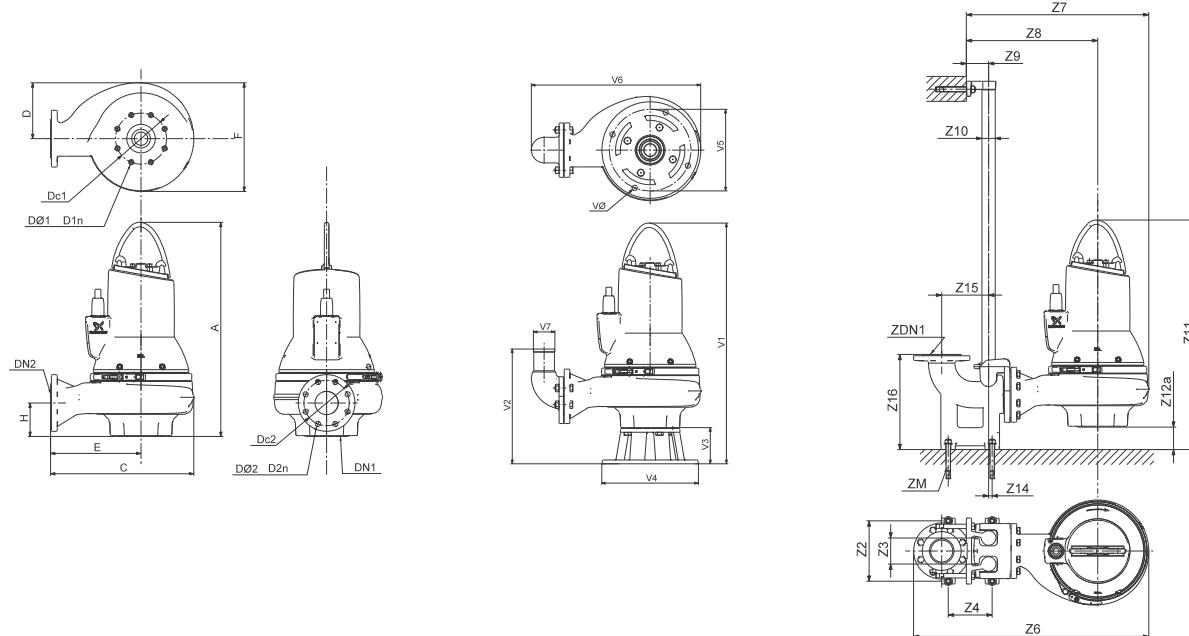
Pump data

Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

SL1.30.A40**Performance curves: SL1.30.A40.20.4.--.C**

TM047845 1914

Dimensional sketches: SL1.30.A40.20.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	26.9	17.1	6.7	10.7	13.7	4.4	4.0	7.5	8 x M16	4.0	7.5	822.6 lb
[mm]	682	435	171	272	347	90	DN 100	191	8 x M16	DN 100	191	101 kg

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM
[in.]	10.2	4.3	8.7	34.6	25.7	19.3	4.3	2.0	32.8	5.9	0	8.7	16.3	4.0
[mm]	260	110	220	878	652	489	110	50	832	150	0	220	413	100

V1	V2	V3	V4	V5	V6	V7	VØ
[in.]	32.0	14.4	5.1	14.0	11.8	23.5	3.9
[mm]	812	364	130	355	300	598	100

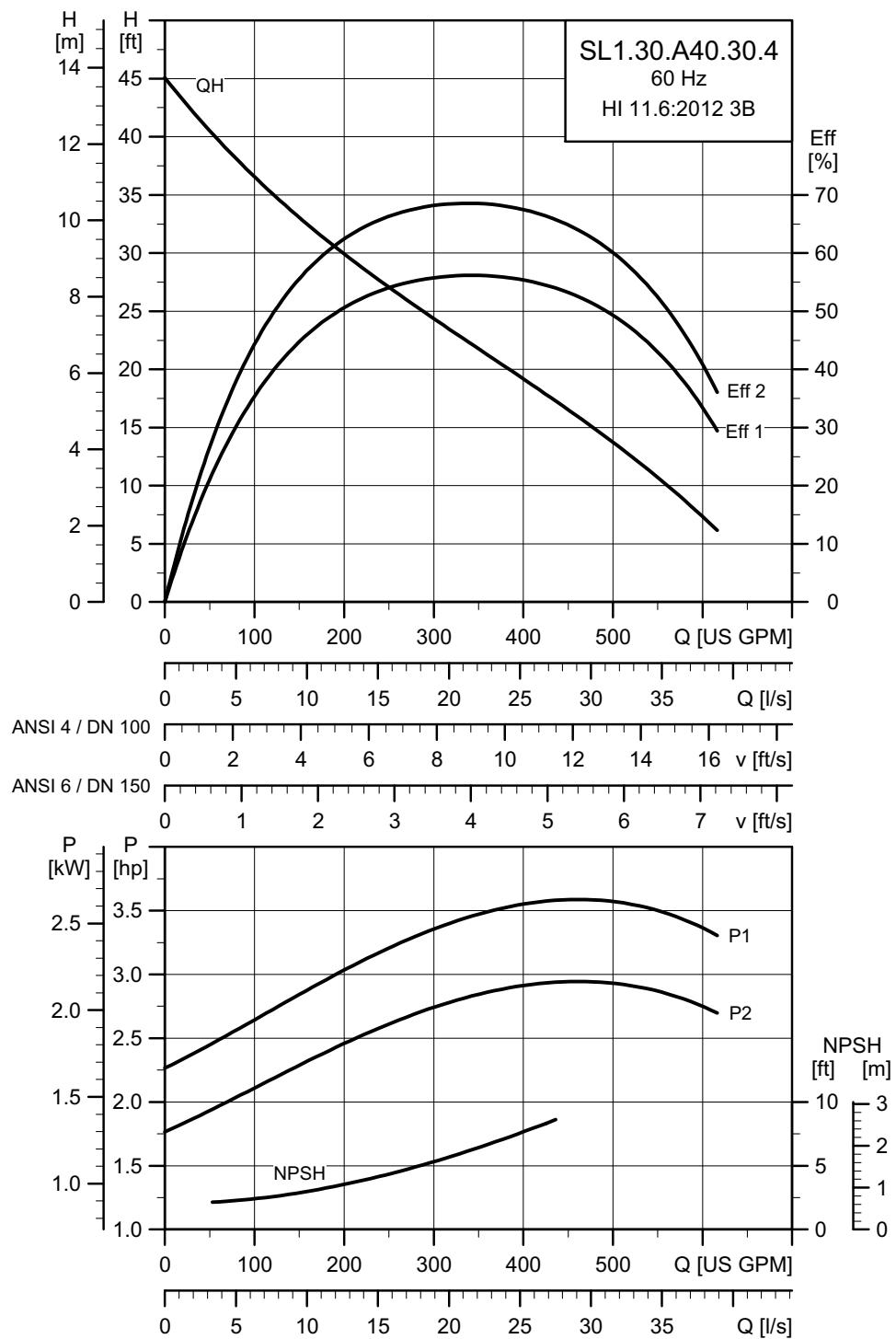
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	7.1 - 7.9	53	83.3	85.7	86.0	0.51	0.63	0.72	1.15	0.361 (0.0152)	22.1 (30)
61R	3 x 230 V D/460 V Y	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	6.55	40	84.2	85.7	85.4	0.56	0.69	0.76	1.15	0.361 (0.0152)	18.4 (25)
60L	3 x 575 V D DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	0.361 (0.0152)	22.1 (30)
61L	3 x 575 V D Y/D	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	0.361 (0.0152)	22.1 (30)

Pump data

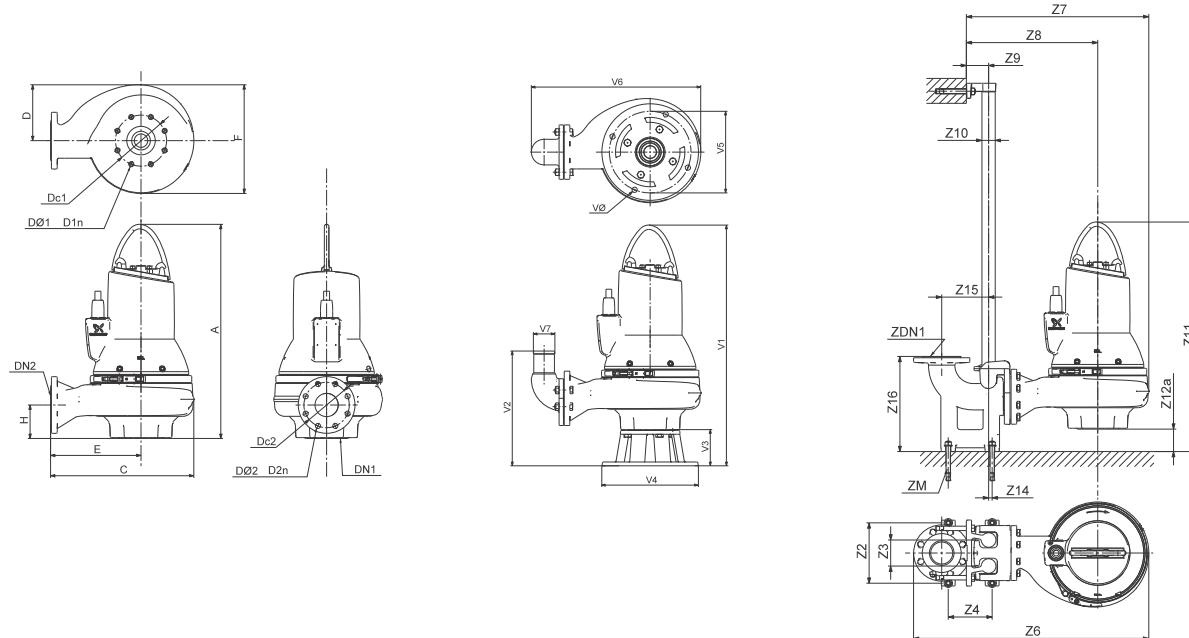
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A40.30.4--C



T1 1047346 194

Dimensional sketches: SL1.30.A40.30.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	26.9	17.1	6.7	10.7	13.7	4.4	4.0	7.5	8 x M16	4.0	7.5	8 x 0.75
[mm]	682	435	171	272	347	90	DN 100	191	8 x M16	DN 100	191	8 x 19.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.2	4.3	8.7	34.6	25.7	19.3	4.3	2.0	32.8	5.9	0	8.7	16.3	4.0	4 x M16
[mm]	260	110	220	878	652	489	110	50	832	150	0	220	413	100	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ	
[in.]	32.0	14.4	5.1	14.0	11.8	23.5	3.9	0.7
[mm]	812	364	130	355	300	598	100	19

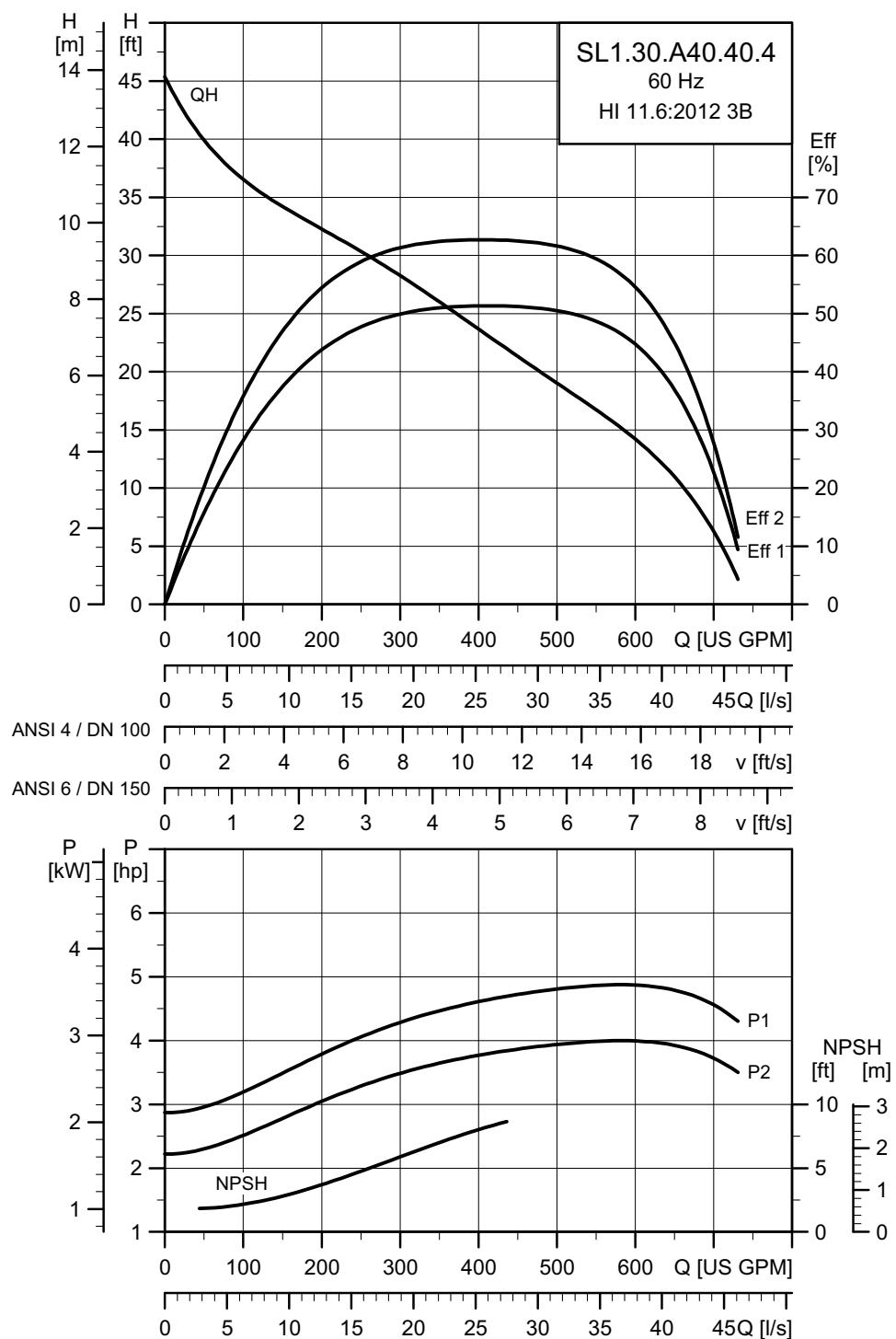
Electrical data

Pump type	Voltage [V]	P1 [hp] (kW)	P2 [hp] (kW)	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb ² ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	3.7 (2.7)	3.0 (2.2)	4	1763	DOL	9.8 - 10.6	70	84.7	86.6	87.0	0.59	0.70	0.76	1.15	0.361 (0.0152)	26.6 (36)
61R	3 x 230 V D/ 460 V Y	3.7 (2.7)	3.0 (2.2)	4	1763	Y/D	8.95	40	85.5	86.6	86.3	0.65	0.75	0.80	1.15	0.361 (0.0152)	26.6 (36)
61L	3 x 575 V D Y/D	3.7 (2.7)	3.0 (2.2)	4	1763	Y/D	3.5	27	84.7	86.6	87.0	0.59	0.70	0.76	1.15	0.361 (0.0152)	26.6 (36)

Pump data

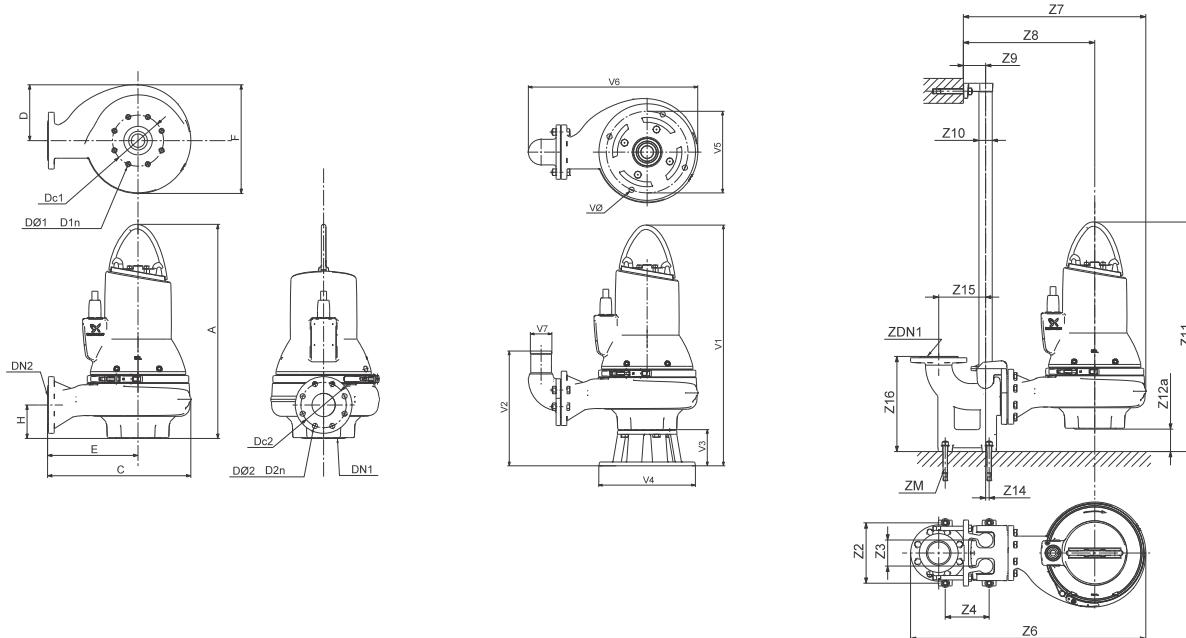
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A40.40.4--.C



NL4740047847-1914

Dimensional sketches: SL1.30.A40.40.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.6	19.9	7.9	12.6	15.6	4.6	4.0	7.5	8 x M16	4.0	7.5	8 x 0.75
[mm]	726	505	200	319	397	115	DN 100	191	8 x M16	DN 100	191	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.2	4.3	8.7	37.3	28.5	21.1	4.3	2.0	33.5	4.9	0	8.7
[mm]	260	110	220	948	722	536	110	50	851	125	0	220
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	VØ
[in.]	33.7	15.3	5.1	14.0	11.8	26.3	3.9	0.7	0.7	0.7	0.7	0.7
[mm]	856	389	130	355	300	668	100	19	19	19	19	19

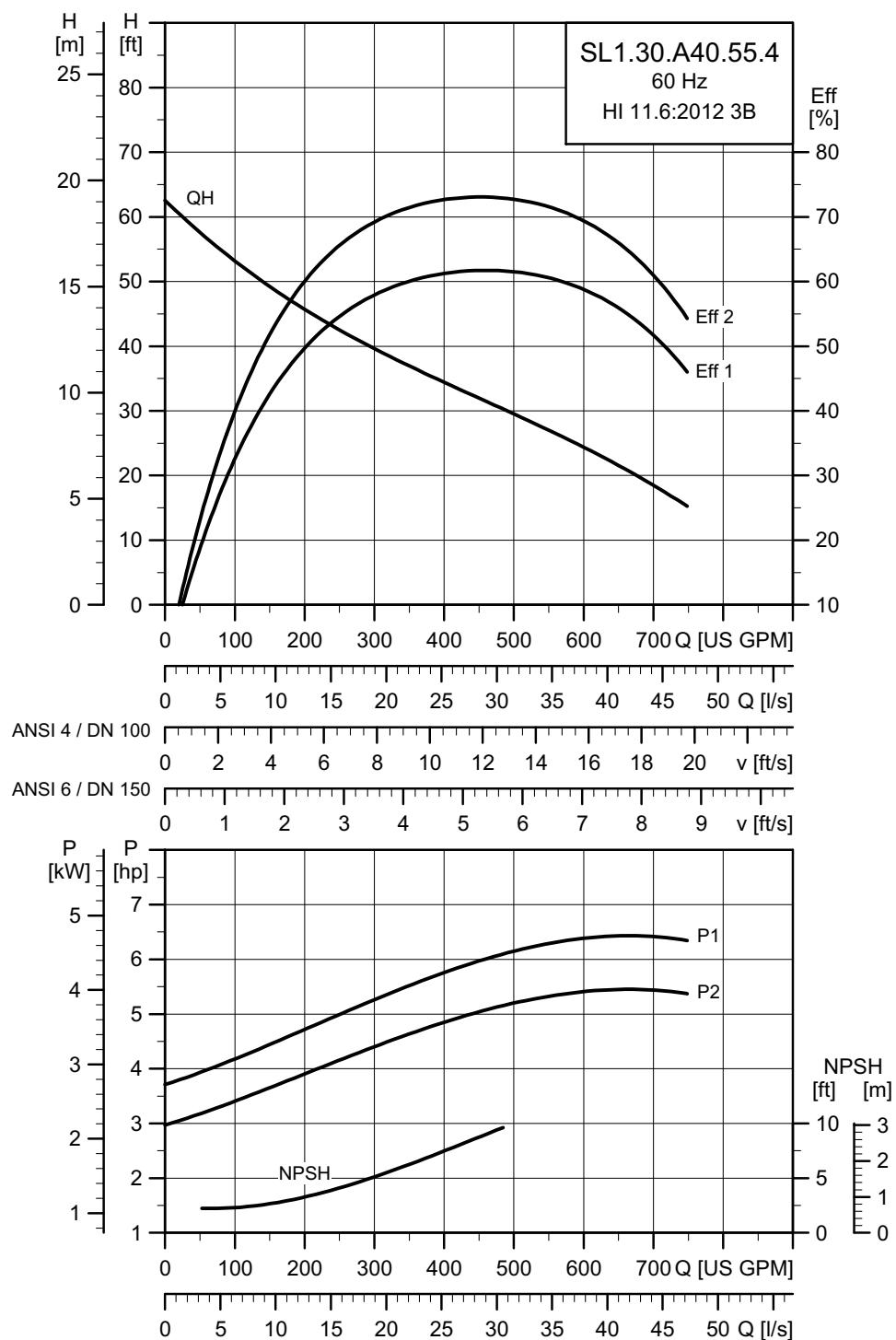
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N I _{start} η _{motor} [%] Cos φ						SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	5.5 (4.0)	4.0 (3.0)	4	1755	DOL	12.5 - 12.9	98	84.6	86.3	86.4	0.63	0.75	0.79	1.15	0.956 (0.0403)	40.6 (55)
61R	3 x 230 V D/ 460 V Y	5.1 (3.7)	4.0 (3.0)	4	1755	Y/D	12.0	75	85.0	86.0	85.6	0.70	0.79	0.82	1.15	0.956 (0.0403)	32.5 (44)
61L	3 x 575 V D Y/D	5.1 (3.7)	4.0 (3.0)	4	1755	Y/D	4.5	37	84.6	86.3	86.4	0.63	0.75	0.79	1.15	0.956 (0.0403)	40.6 (55)

Pump data

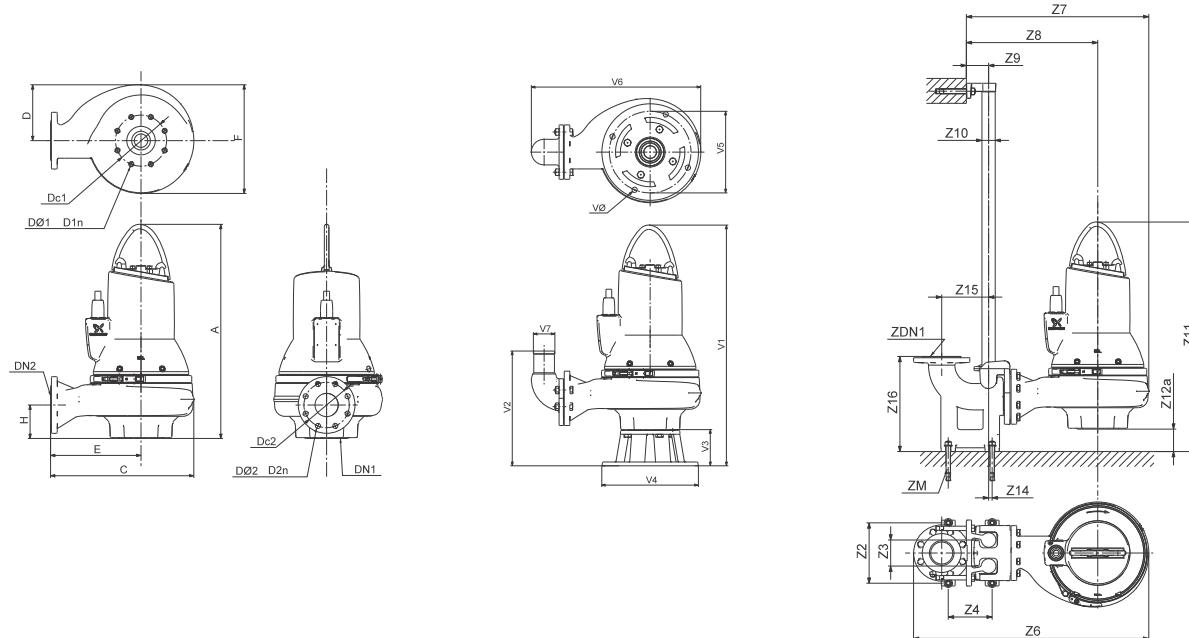
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A40.55.4--.C



TM047848 1914

Dimensional sketches: SL1.30.A40.55.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1	D1n	DN 2	Dc2	DØ2	D2n	Weight
[in.]	29.4	19.9	7.9	12.6	15.6	4.6	4.0	7.5	8 x M16	4.0	7.5	8 x 0.75	320.5 lb	
[mm]	748	505	200	319	397	115	DN 100	191	8 x M16	DN 100	191	8 x 19.1	145.4 kg	

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.2	4.3	8.7	37.3	28.5	21.1	4.3	2.0	34.37	4.9	0	8.7	16.3	4.0	4 x M16
[mm]	260	110	220	948	722	536	110	50	873	125	0	220	413	100	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ	
[in.]	34.6	15.3	5.1	14.0	11.8	26.3	3.9	0.7
fmm1	878	389	130	355	300	668	100	19

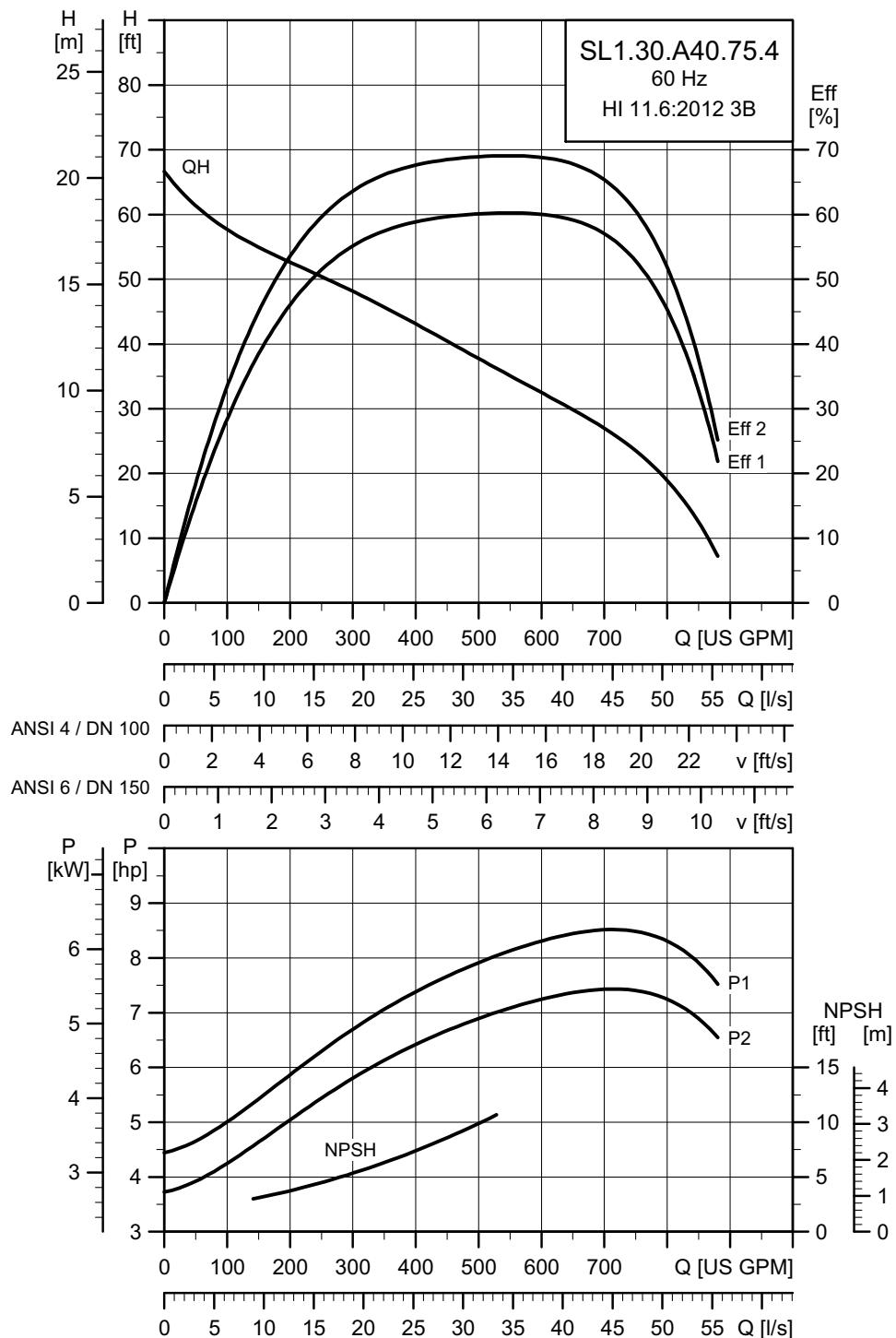
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	6.5 (4.8)	5.5 (4.0)	4	1767	DOL	17.3 - 19.0	133	85.3	87.4	88.2	0.53	0.66	0.74	1.15	0.956 (0.0403)	61.2 (83)
61R	3 x 230 V D/ 460 V Y	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	16.2	120	86.2	87.8	87.8	0.59	0.70	0.78	1.15	0.956 (0.0403)	48.7 (66)
61L	3 x 575 V D Y/D	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	0.956 (0.0403)	61.2 (83)

Pump data

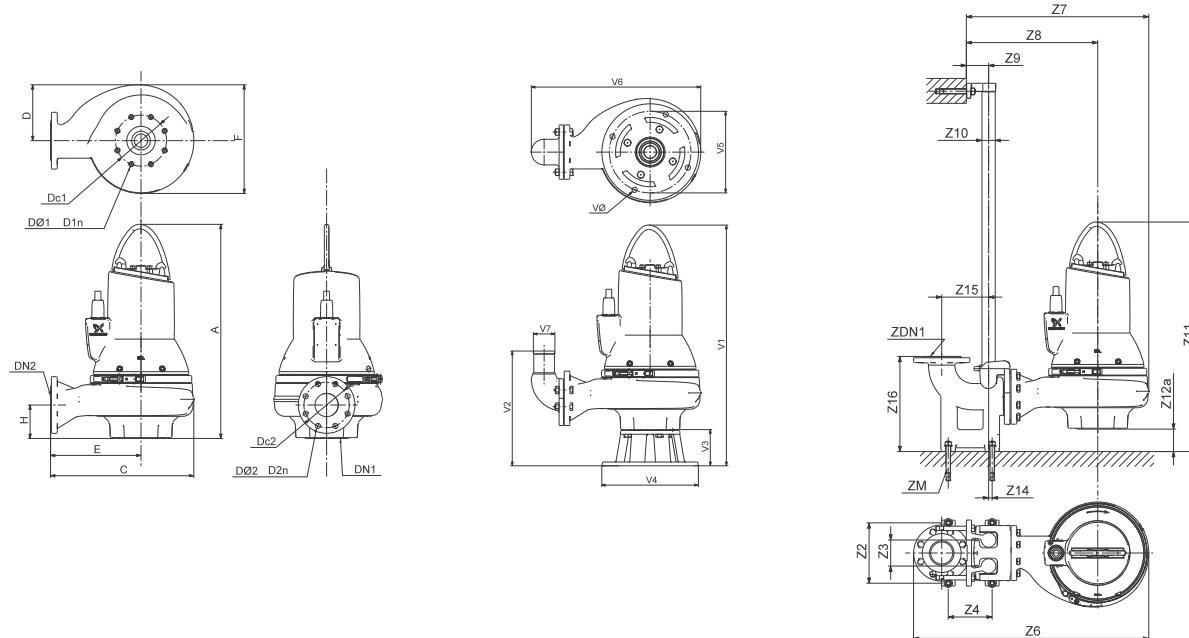
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A40.75.4--.C



TNT0047849 11914

Dimensional sketches: SL1.30.A40.75.4.--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1	D1n	DN 2	Dc2	DØ2	D2n	Weight	
[in.]	29.7	19.9	7.9	12.6	15.6	4.6	4.0	7.5	8 x M16	4.0	7.5	8 x 0.75	344 lb		
[mm]	755	505	200	319	397	115	DN 100	191	8 x M16	DN 100	191	8 x 19.1	156.1 kg		
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.2	4.3	8.7	37.3	28.5	21.1	4.3	2.0	34.7	4.9	0	8.7	16.3	4.0	4 x M16
[mm]	260	110	220	948	722	536	110	50	880	125	0	220	413	100	4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	34.9	15.3	5.1	14.0	11.8	26.3	3.9	0.7							
[mm]	885	389	130	355	300	668	100	19							

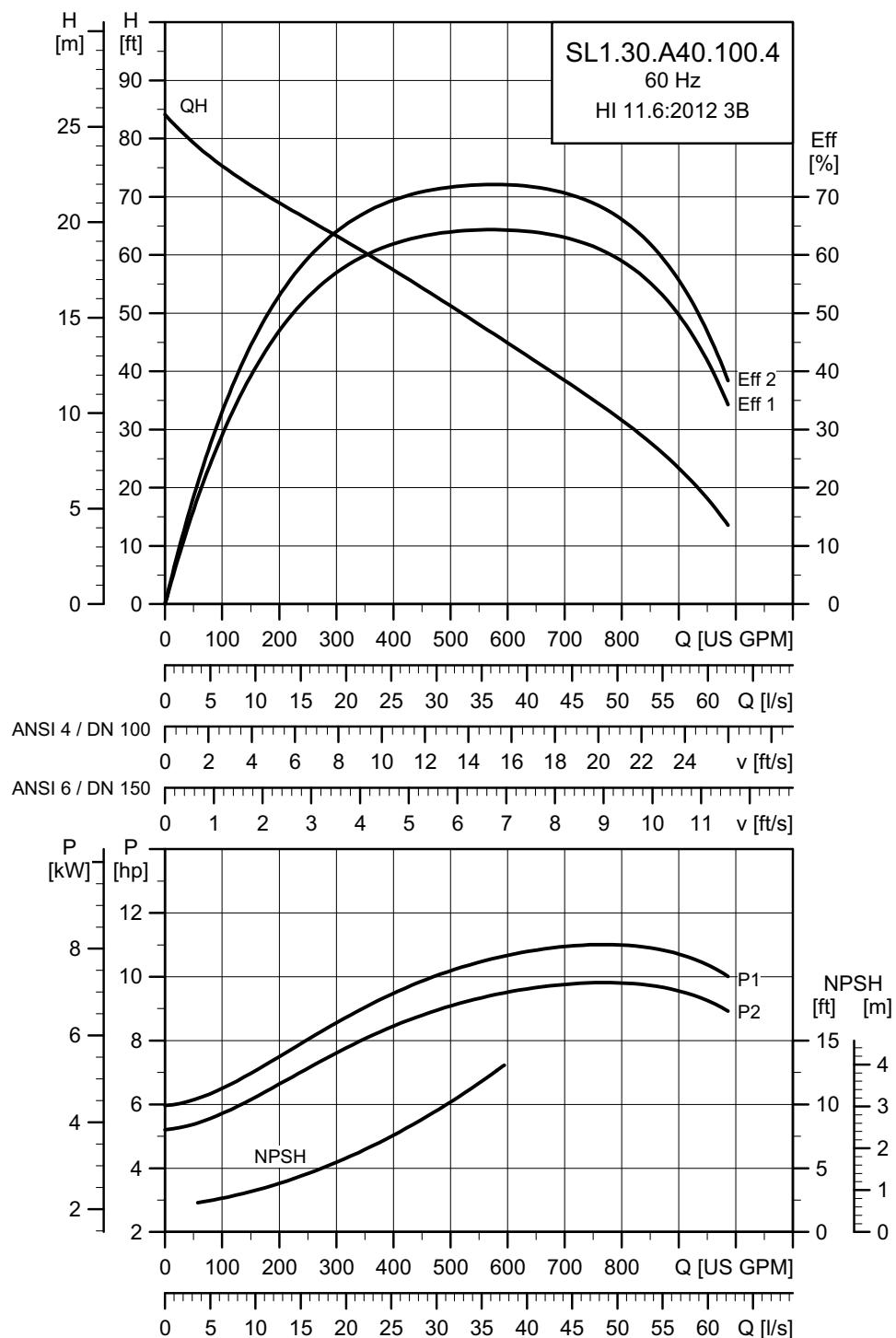
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	8.5 (6.3)	7.5 (5.5)	4	1765	DOL	20.2 - 19.7	149	88.9	90.0	89.6	0.73	0.81	0.86	1.15	0.482 (0.0203)	73 (99)
61R	3 x 230 V D / 460 V	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	19.2	120	89.2	90.0	88.9	0.77	0.84	0.87	1.15	0.482 (0.0203)	60.5 (82)
61L	3 x 575 V D Y/D	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	7.3	57	88.9	90.0	89.6	0.73	0.81	0.86	1.15	0.482 (0.0203)	73 (99)

Pump data

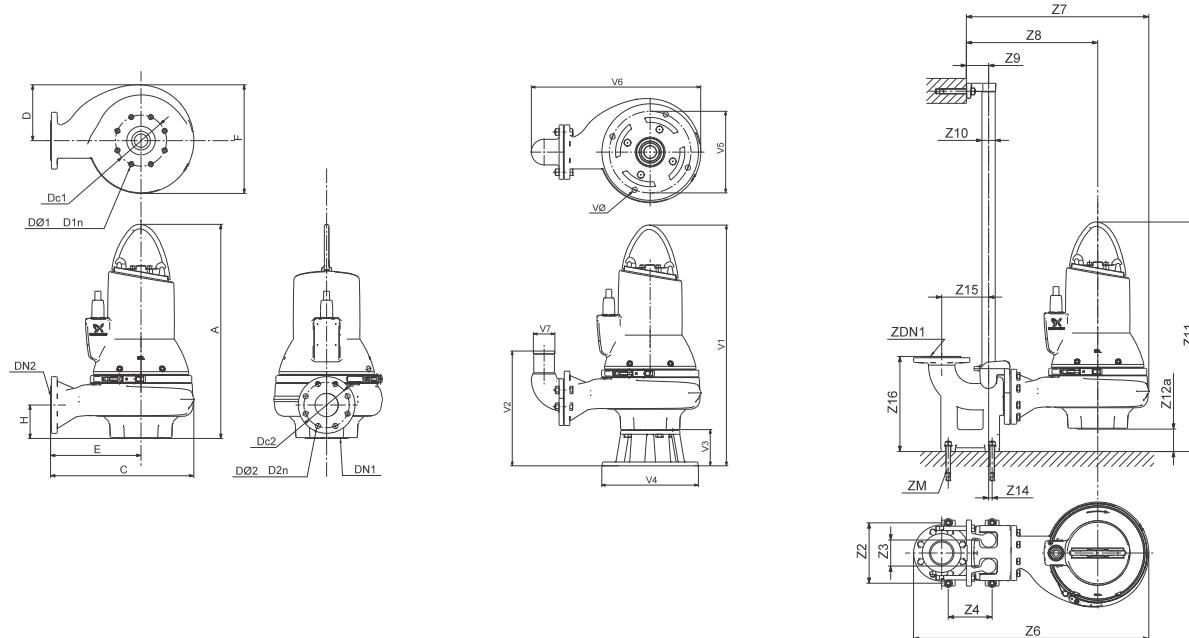
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.30.A40.100.4---C



TNO47350 1914

Dimensional sketches: SL1.30.A40.100.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

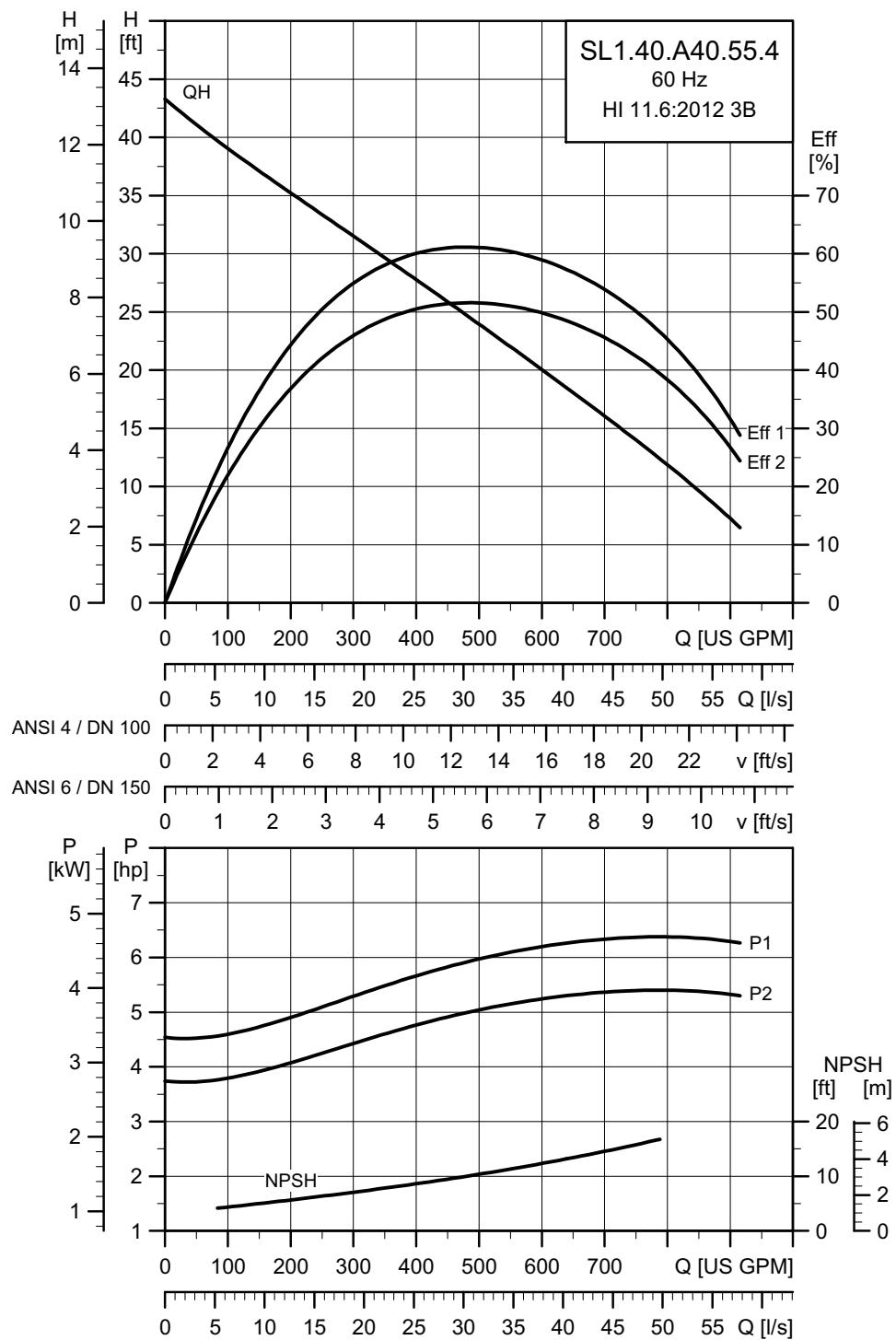
A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	32.2	20.9	8.5	12.9	16.7	4.6	4.0	7.5	8 x M16	4.0	7.5	8 x 0.75
[mm]	818	530	217	328	423	116	DN 100	191	8 x M16	DN 100	191	191.1 kg
<hr/>												
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.2	4.3	8.7	38.3	29.5	21.5	4.3	2.0	37.1	4.9	0	8.7
[mm]	260	110	220	973	747	545	110	50	942	124	0	220
<hr/>												
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	37.4	15.4	5.1	14.0	11.8	27.3	3.9	0.7				
[mm]	948	390	130	355	300	693	100	19				

Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]			Cos φ			SF	Moment of inertia [lb ² ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1				
60J	3 x 208-230 V D	11.4 (8.4)	10.0 (7.5)	4	1766	DOL	27.0 - 27.5	205	91.0	91.4	91.0	0.71	0.81	0.85	1.15	0.458 (0.0193)	118 (160)		
61R	3 x 230 V D / 460 V Y	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	26.0	160	90.9	91.1	90.3	0.75	0.84	0.87	1.15	0.458 (0.0193)	81.1 (110)		
61L	3 x 575 V D Y/D	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	9.8	79	91.0	91.4	91.0	0.71	0.81	0.85	1.15	0.458 (0.0193)	118 (160)		

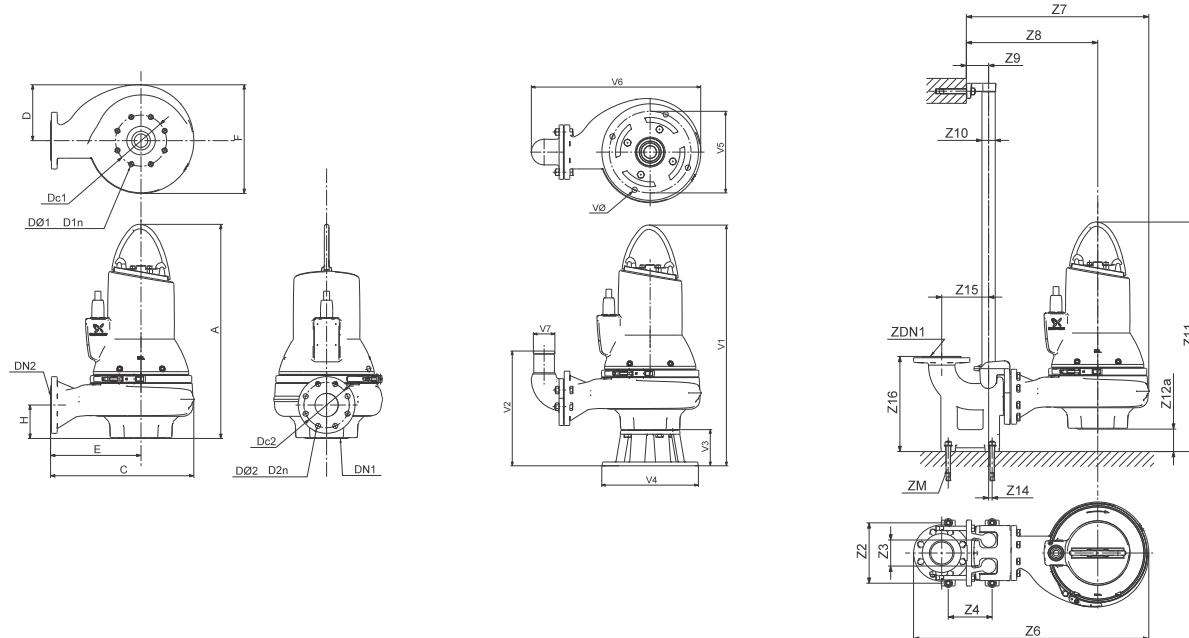
Pump data

Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	3 (80)	10	20	IP68	H	A	104 (40)	4-14

SL1.40.A40**Performance curves: SL1.40.A40.55.4.--.C**

TMO478511914

Dimensional sketches: SL1.40.A40.55.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.7	21.3	7.9	12.6	17.2	4.5	6.0	9.5	8 x M20	4.0	7.5	8 x 0.75
[mm]	755	541	200	320	438	115	DN 150	242	8 x M20	DN 100	191	8 x 19.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.2	4.3	8.7	38.7	29.9	21.1	4.3	2.0	34.7	4.9	0	8.7	16.3	4.0	4 x M16
fmm1	260	110	220	984	758	537	110	50	880	125	0	220	413	100	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ	
[in.]	37.1	17.5	7.3	17.7	15.7	27.7	3.9	0.9
fmm1	941	445	186	450	400	704	100	22

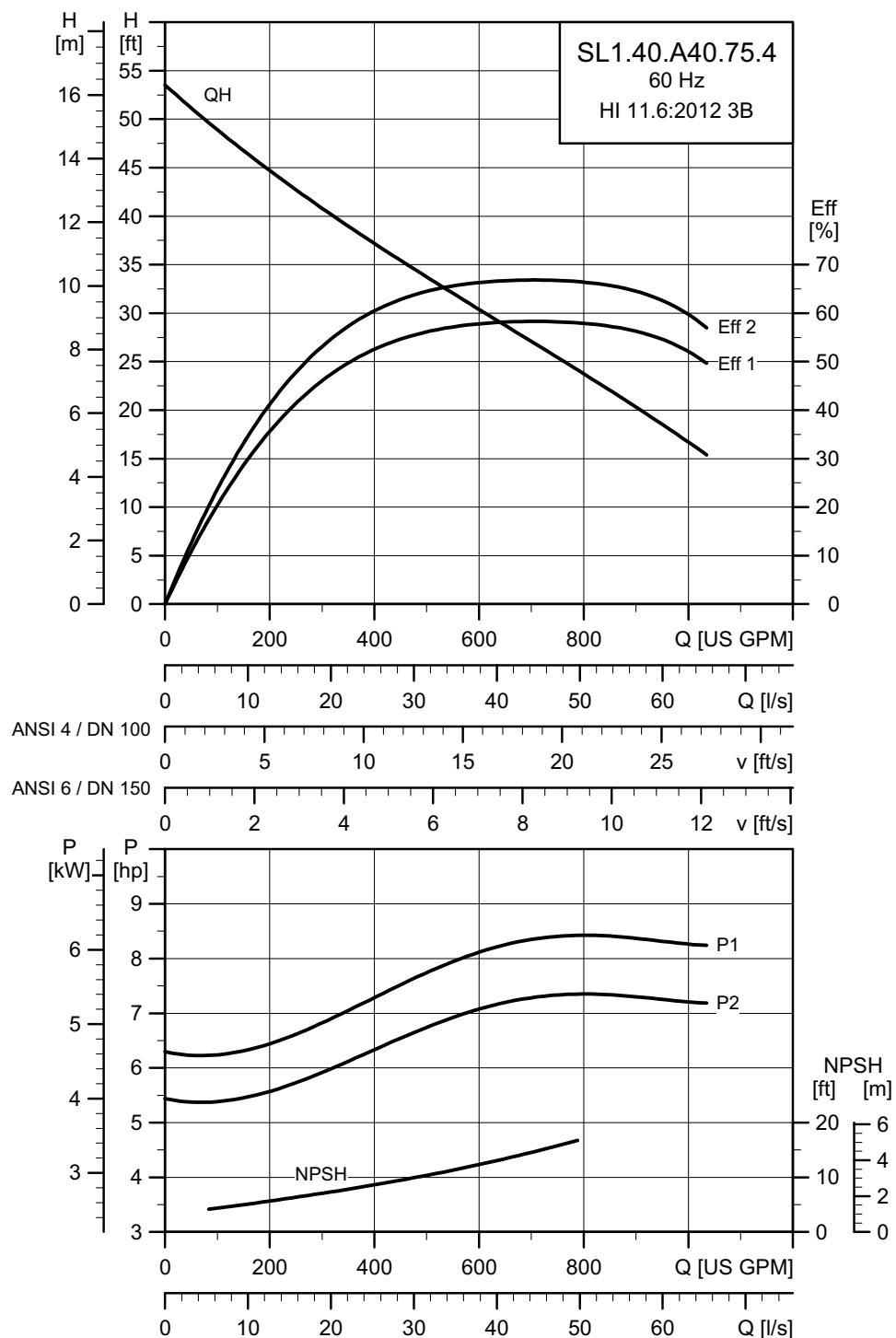
Electrical data

Pump type	Voltage [V]	P1 [hp] (kW)	P2 [hp] (kW)	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb ² ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	6.5 (4.8)	5.5 (4.0)	4	1767	DOL	17.3 - 19.0	133	85.3	87.4	88.2	0.53	0.66	0.74	1.15	1.4 (0.0590)	61.2 (83)
61R	3 x 230 V D/ 460 V Y	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	16.2	120	86.2	87.8	87.8	0.59	0.70	0.78	1.15	1.4 (0.0590)	48.7 (66)
61L	3 x 575 V D Y/D	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	1.4 (0.0590)	61.2 (83)

Pump data

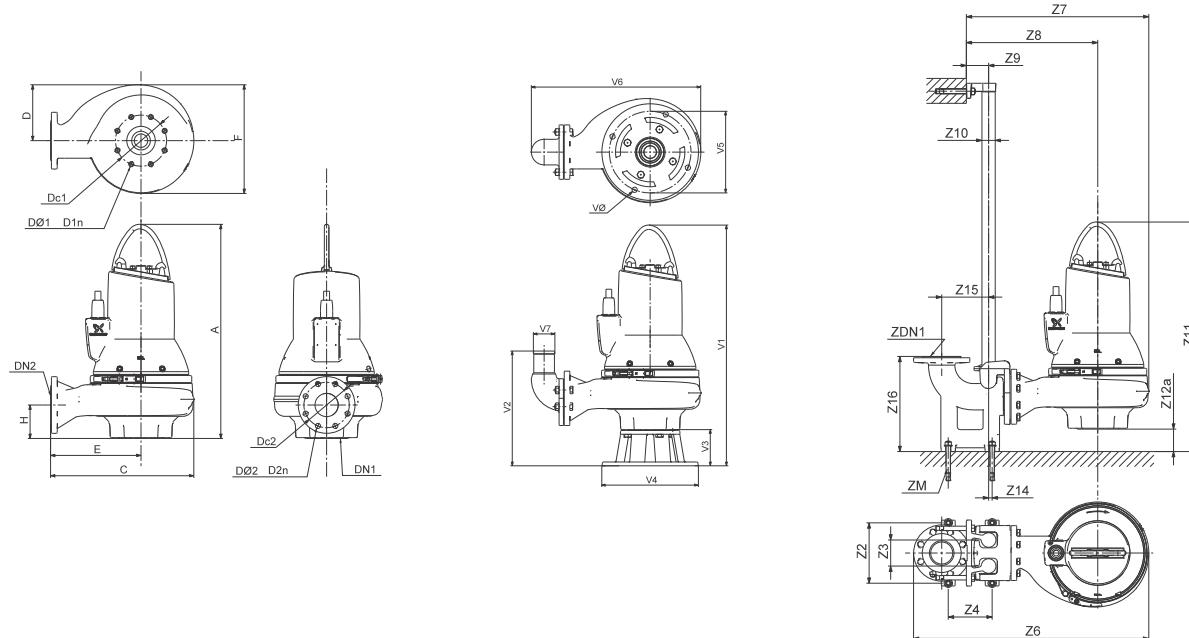
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	4 (100)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.40.A40.75.4--.C



T0047852194

Dimensional sketches: SL1.40.A40.75.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	30.0	21.3	7.9	12.6	17.2	4.5	6.0	9.5	8 x M20	4.0	7.5	8 x 0.75
[mm]	762	541	200	320	438	115	DN 150	242	8 x M20	DN 100	191	8 x 19.1
												356.6 lb
												161.8 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.2	4.3	8.7	38.7	29.9	21.1	4.3	2.0	35.0	4.9	0	8.7
[mm]	260	110	220	984	758	537	110	50	887	125	0	220
												16.3
												4.0
												4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	37.4	17.5	7.3	17.7	15.7	27.7	3.9					
[mm]	948	445	186	450	400	704	100					
												0.9
												22

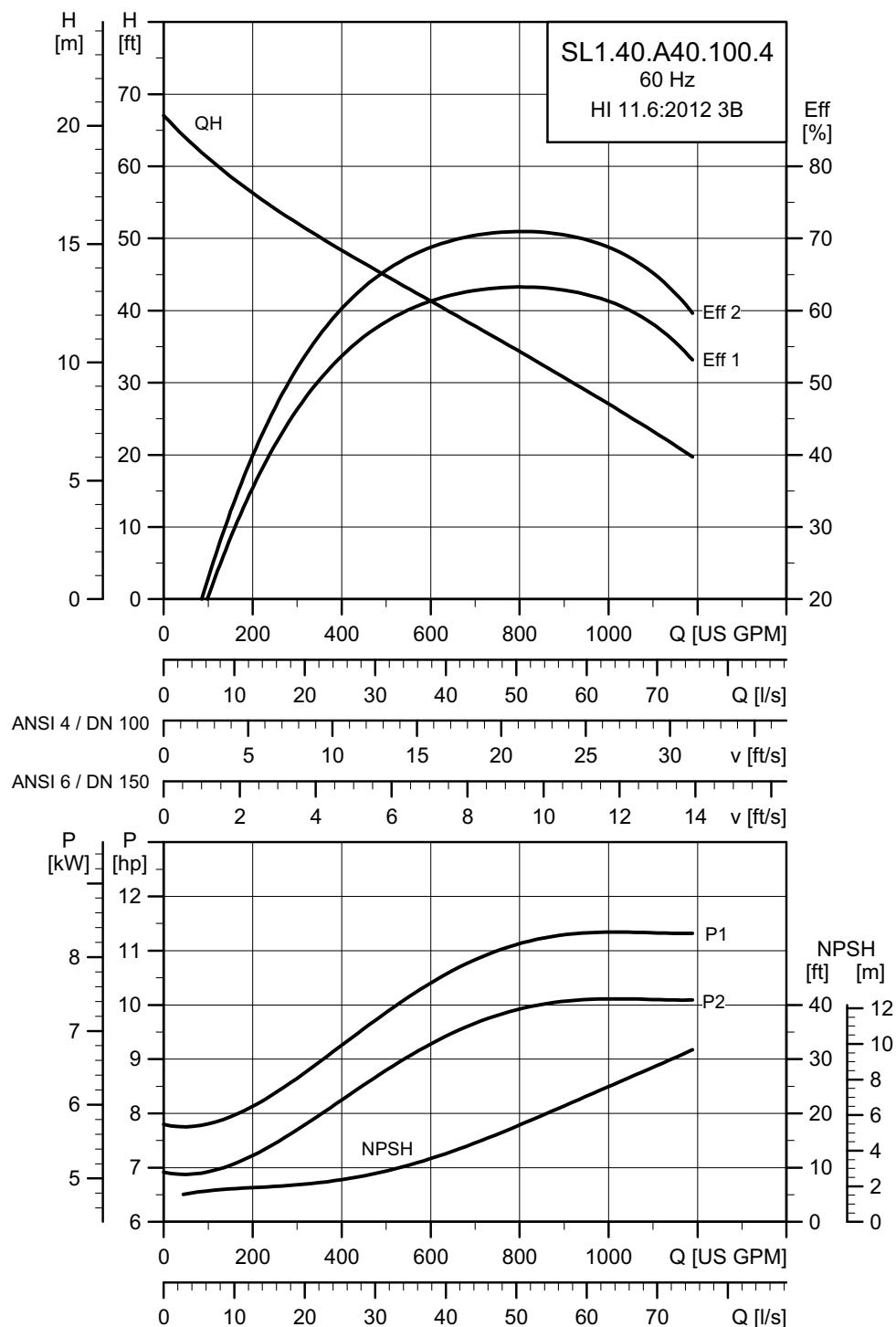
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor} [%]		Cos φ		SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	8.5 (6.3)	7.5 (5.5)	4	1765	DOL	20.2 - 19.7	149	88.9	90.0	89.6	0.73	0.81	0.86	1.15	1.4 (0.0590)	73 (99)
61R	3 x 230 V D/ 460 V Y	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	19.2	120	89.2	90.0	88.9	0.77	0.84	0.87	1.15	1.4 (0.0590)	60.5 (82)
61L	3 x 575 V D Y/D	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	7.3	57	88.9	90.0	89.6	0.73	0.81	0.86	1.15	1.4 (0.0590)	73 (99)

Pump data

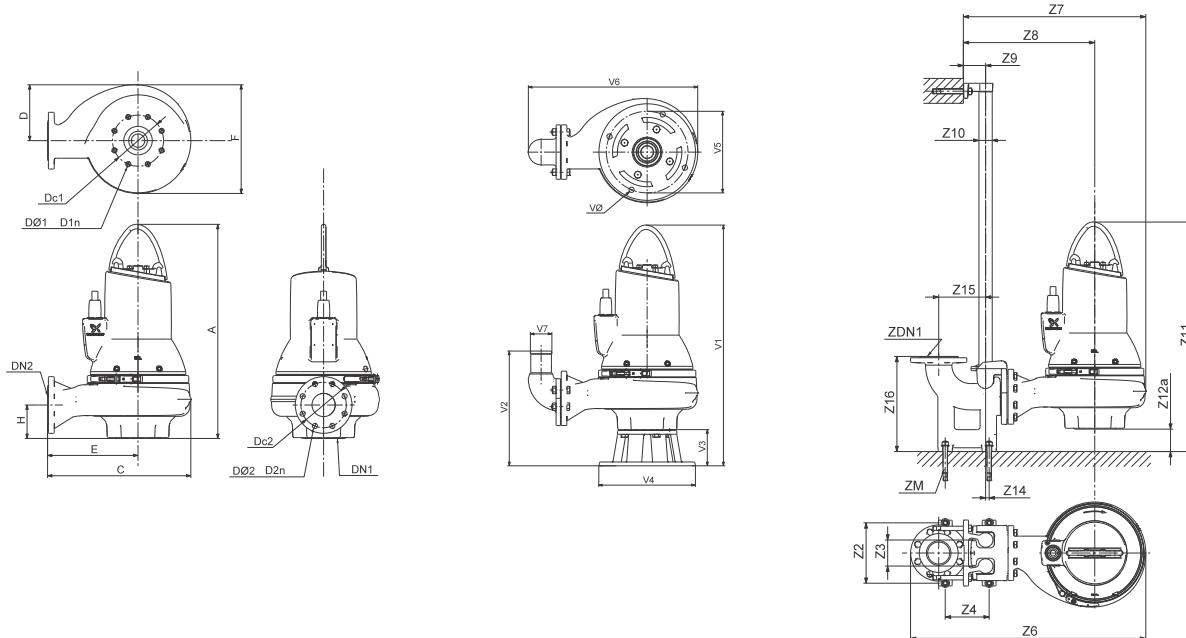
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	4 (100)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.40.A40.100.4---C



TM04 78532231

Dimensional sketches: SL1.40.A40.100.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	32.6	21.3	8.5	12.3	18.2	4.5	6.0	9.5	8 x M20	4.0	7.5	8 x 0.75
[mm]	827	541	217	312	462	115	DN 150	242	8 x M20	DN 100	191	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.2	4.3	8.7	38.7	29.9	20.8	4.3	2.0	37.5	4.9	0	8.7
[mm]	260	110	220	984	758	529	110	50	952	125	0	220
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	VØ
[in.]	39.9	17.5	7.3	17.7	15.7	27.7	3.9	0.9	0.9	0.9	0.9	0.9
[mm]	1013	445	186	450	400	704	100	22	22	22	22	22

Electrical data

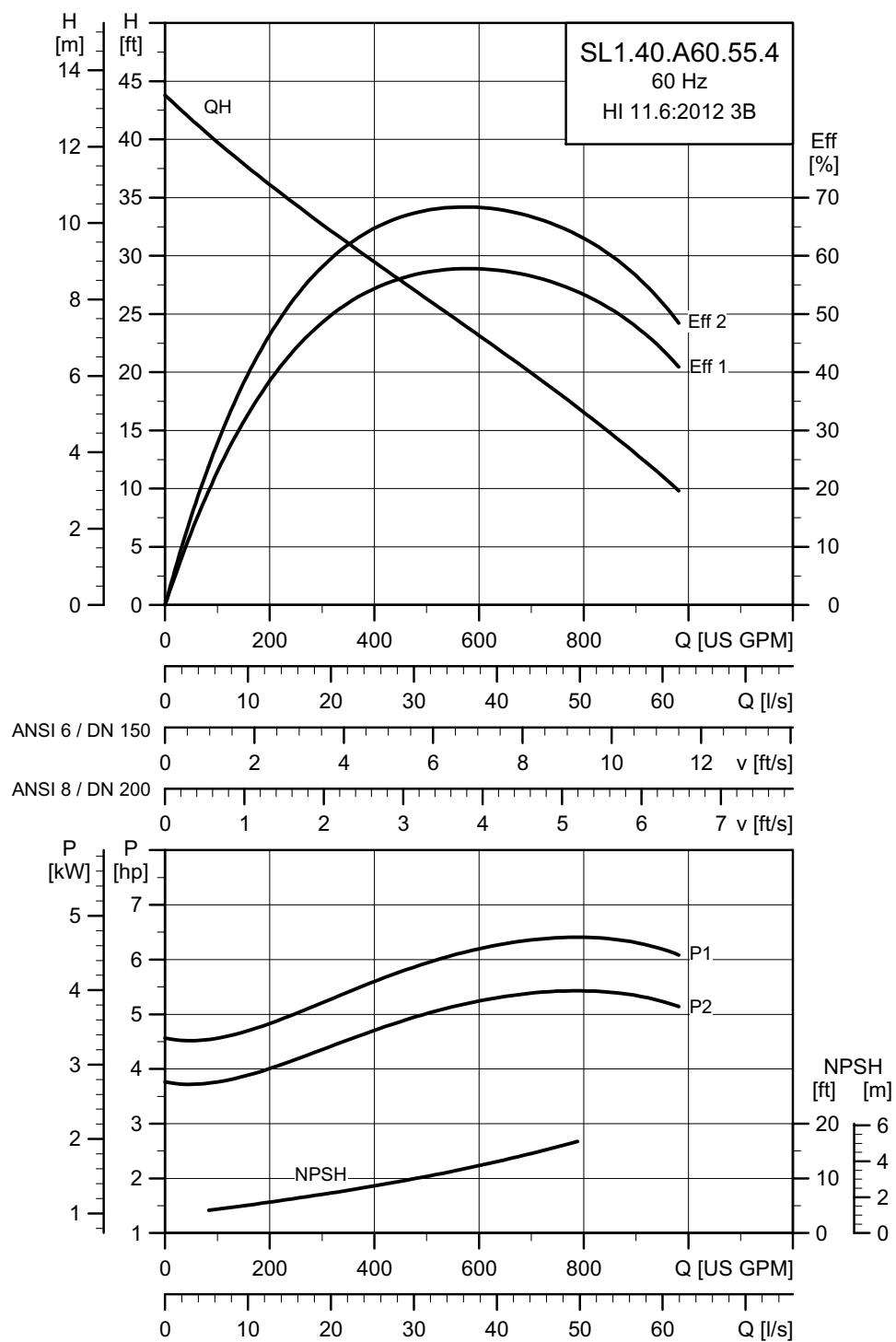
Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N I _{start} η _{motor} [%] Cos φ						SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	11.4 (8.4)	10.0 (7.5)	4	1766	DOL	27.0 - 27.5	205	91.0	91.4	91.0	0.71	0.81	0.85	1.15	1.163 (0.0490)	118 (160)
61R	3 x 230 V D/ 460 V Y	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	26.0	160	90.9	91.1	90.3	0.75	0.84	0.87	1.15	1.163 (0.0490)	81.1 (110)
61L	3 x 575 V D Y/D	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	9.8	79	91.0	91.4	91.0	0.71	0.81	0.85	1.15	1.163 (0.0490)	118 (160)

Pump data

Impeller type	Max. solids size		Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	[PN]							
S-tube	4 (100)	10		20	IP68	H	A	104 (40)	4-14

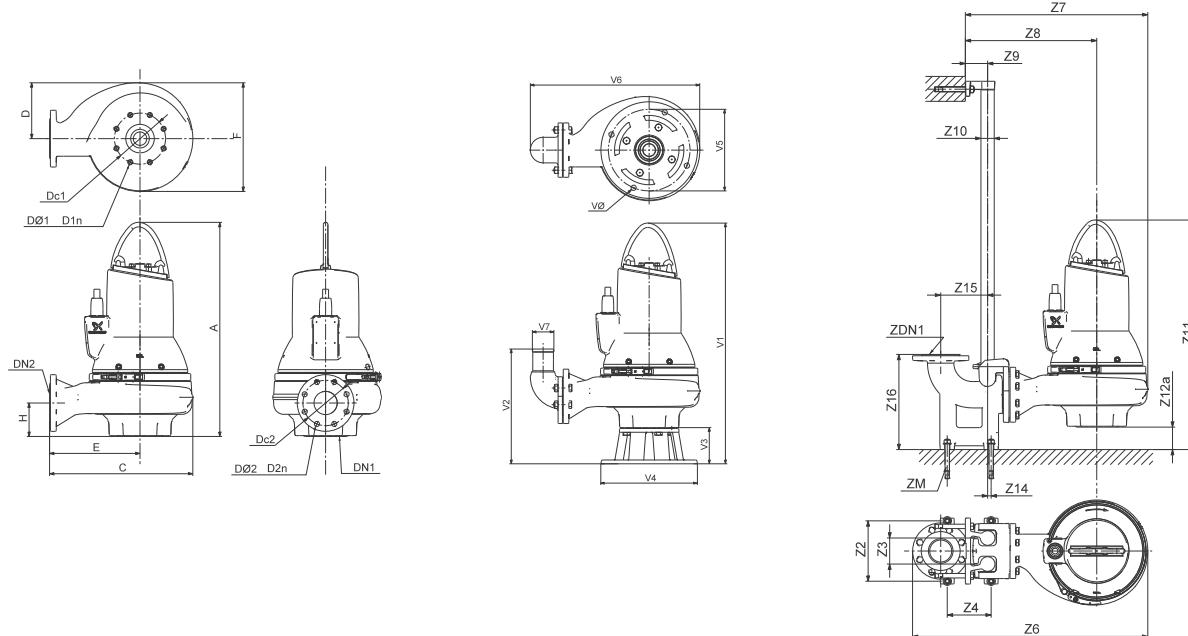
SL1.40.A60

Performance curves: SL1.40.A60.55.4.--.C



T10478541614

Dimensional sketches: SL1.40.A60.55.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.7	21.3	7.9	12.6	17.3	4.4	6.0	9.5	8 x M20	6.0	9.5	839.2 lb
[mm]	755	541	200	320	440	111	DN 150	242	8 x M20	DN 150	242	153.9 kg

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM
[in.]	11.8	4.3	11.0	43.0	31.0	22.0	4.3	2.0	36.18	6.5	0	11.0	17.7	6.0
[mm]	300	110	280	1093	780	559	110	50	919	164	0	280	450	150

V1	V2	V3	V4	V5	V6	V7	VØ
[in.]	37.1	22.5	7.3	17.7	15.7	31.6	5.9
[mm]	941	570	186	450	400	803	150

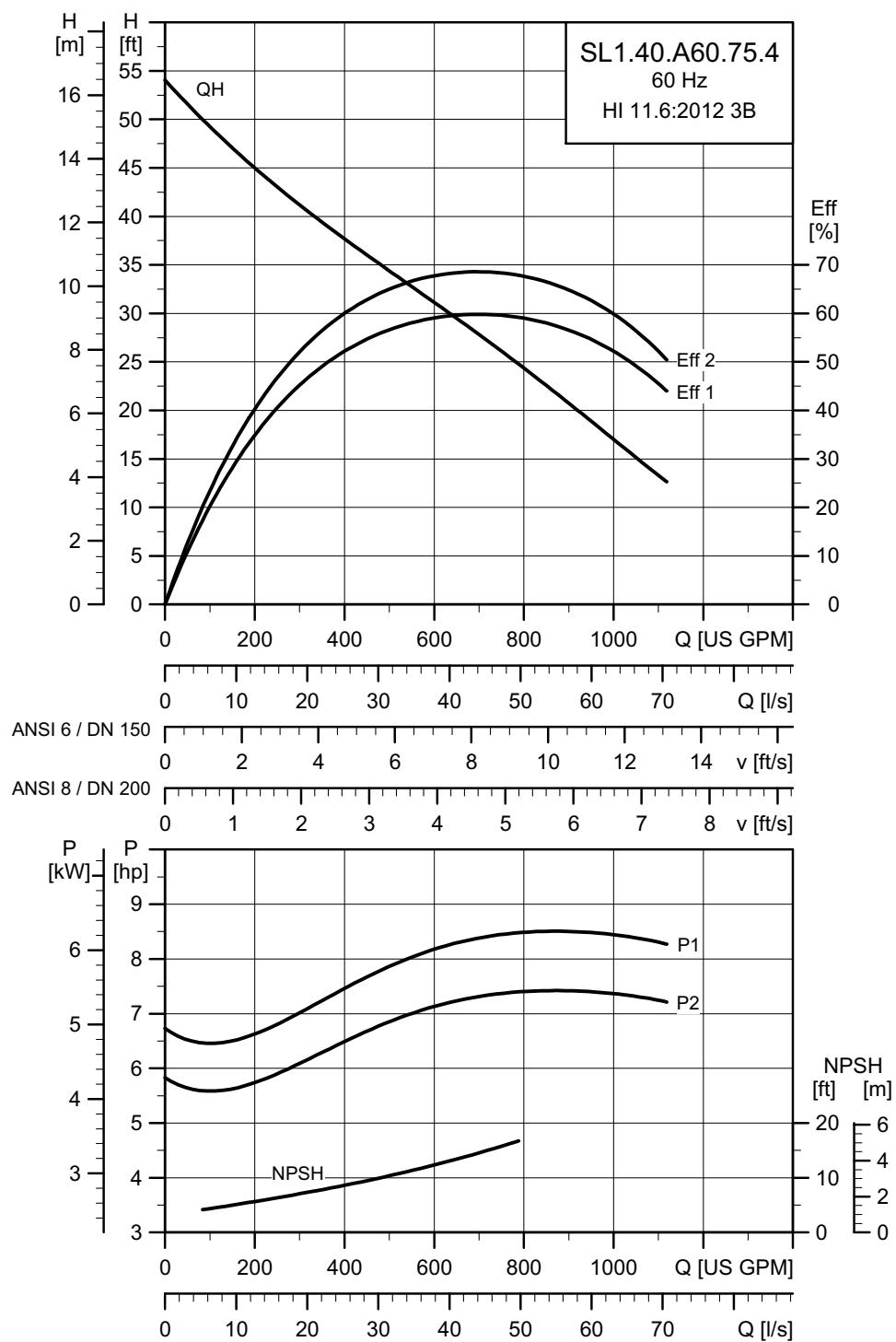
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D	6.5 (4.8)	5.5 (4.0)	4	1767	DOL	17.3 - 19.0	133	85.3	87.4	88.2	0.53	0.66	0.74	1.15	1.692 (0.0713)	61.2 (83)
61R	3 x 230 V D/ 460 V Y	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	16.2	120	86.2	87.8	87.8	0.59	0.70	0.78	1.15	1.692 (0.0713)	48.7 (66)
61L	3 x 575 V D Y/D	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	1.692 (0.0713)	61.2 (83)

Pump data

Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	4 (100)	10	20	IP68	H	A	104 (40)	4-14

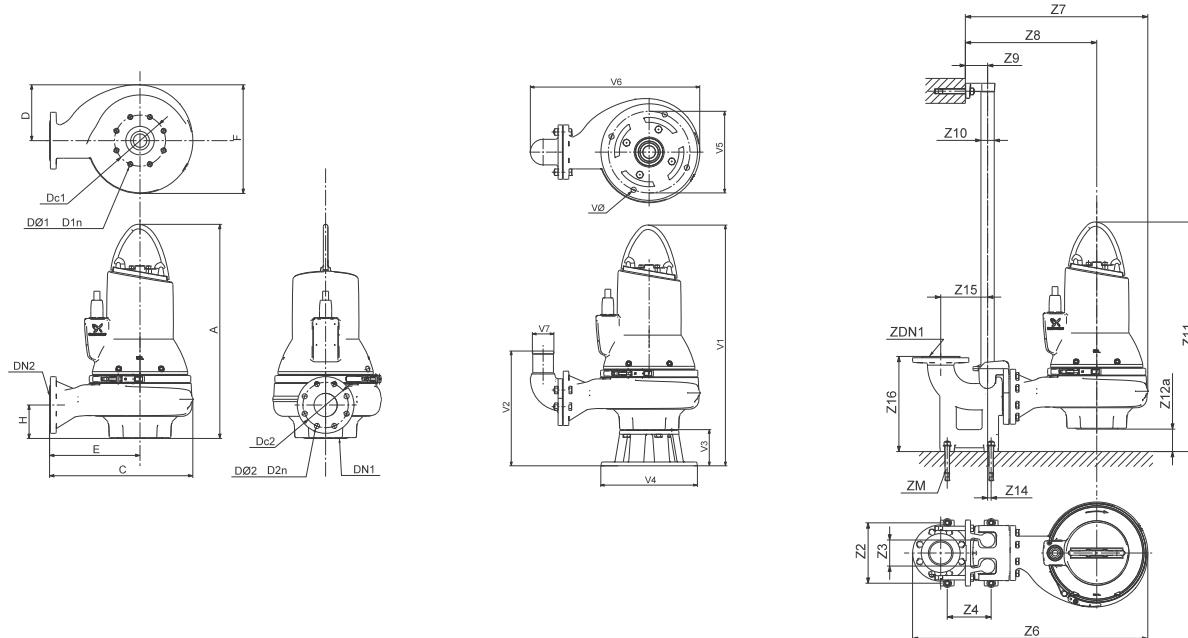
Performance curves: SL1.40.A60.75.4--C



TMO47855 1914

TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

Dimensional sketches: SL1.40.A60.75.4--C



A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	30.0	21.3	7.9	12.6	17.3	4.4	6.0	9.5	8 x M20	6.0	9.5	8 x 0.88
[mm]	762	541	200	320	440	111	DN 150	242	8 x M20	DN 150	242	8 x 22.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM
[in.]	11.8	4.3	11.0	43.0	30.8	22.0	4.3	2.0	36.5	6.5	0	11.0	17.7	6.0
[mm]	300	110	280	1093	780	559	110	50	926	164	0	280	450	150

V1	V2	V3	V4	V5	V6	V7	VØ
[in.]	37.4	22.5	7.3	17.7	15.7	31.6	5.9
[mm]	948	570	186	450	400	803	150

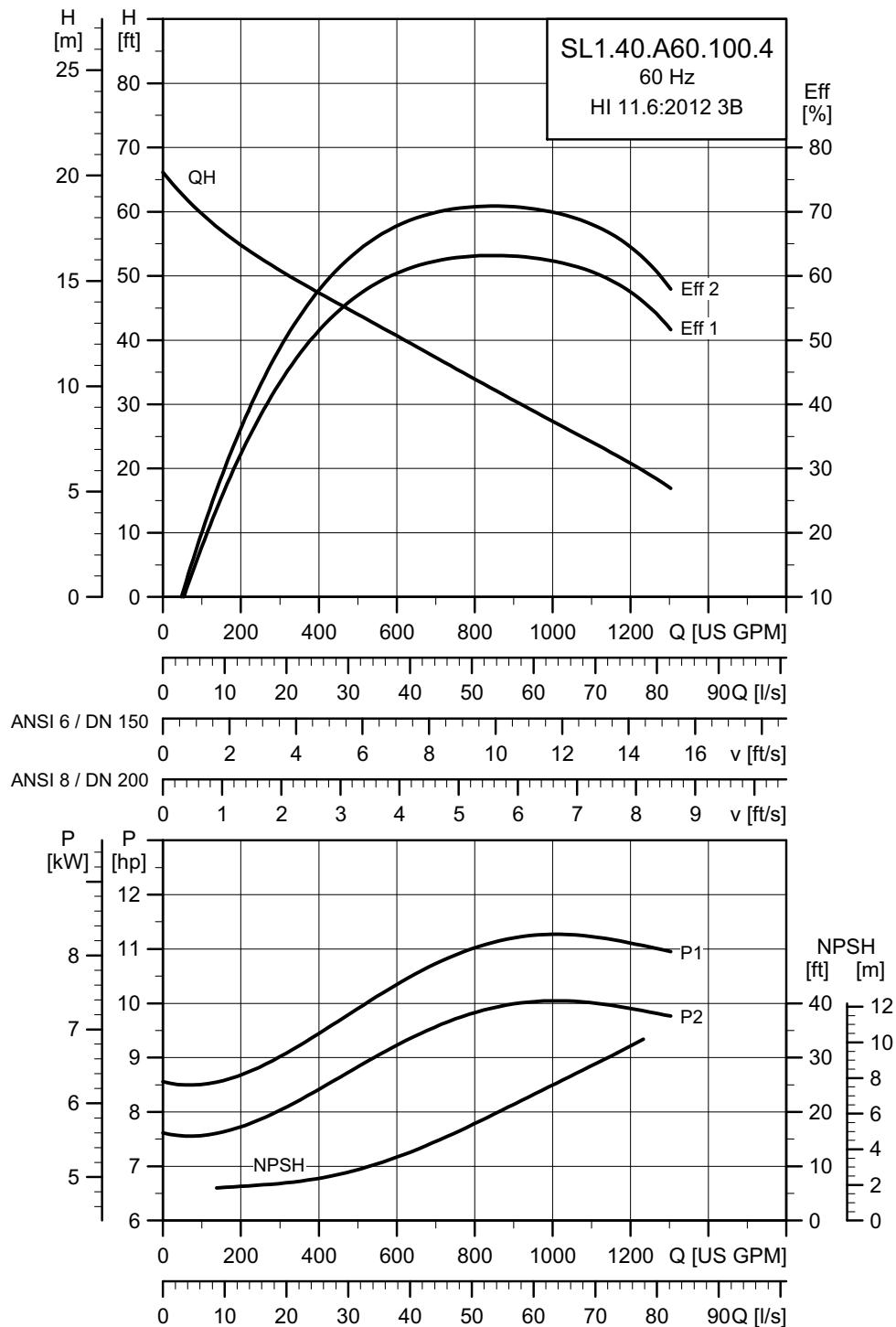
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D	8.5 (6.3)	7.5 (5.5)	4	1765	DOL	20.2 - 19.7	149	88.9	90.0	89.6	0.73	0.81	0.86	1.15	1.692 (0.0713)	73 (99)
61R	3 x 230 V D/ 460 V Y	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	19.2	120	89.2	90.0	88.9	0.77	0.84	0.87	1.15	1.692 (0.0713)	60.5 (82)
61L	3 x 575 V D Y/D	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	7.3	57	88.9	90.0	89.6	0.73	0.81	0.86	1.15	1.692 (0.0713)	73 (99)

Pump data

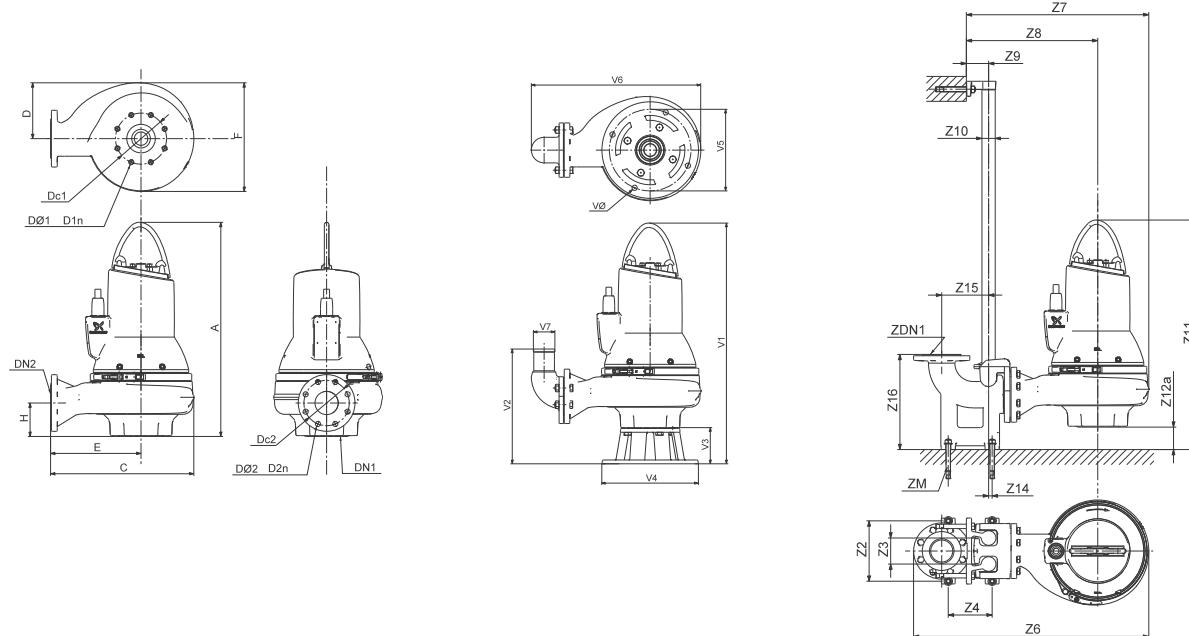
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
S-tube	4 (100)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SL1.40.A60.100.4---C



NL0047856 1914

Dimensional sketches: SL1.40.A60.100.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	32.6	21.3	8.5	12.0	18.6	4.4	6.0	9.5	8 x M20	6.0	9.5	8 x 0.88
[mm]	827	541	217	306	472	111	DN 150	242	8 x M20	DN 150	242	8 x 22.1

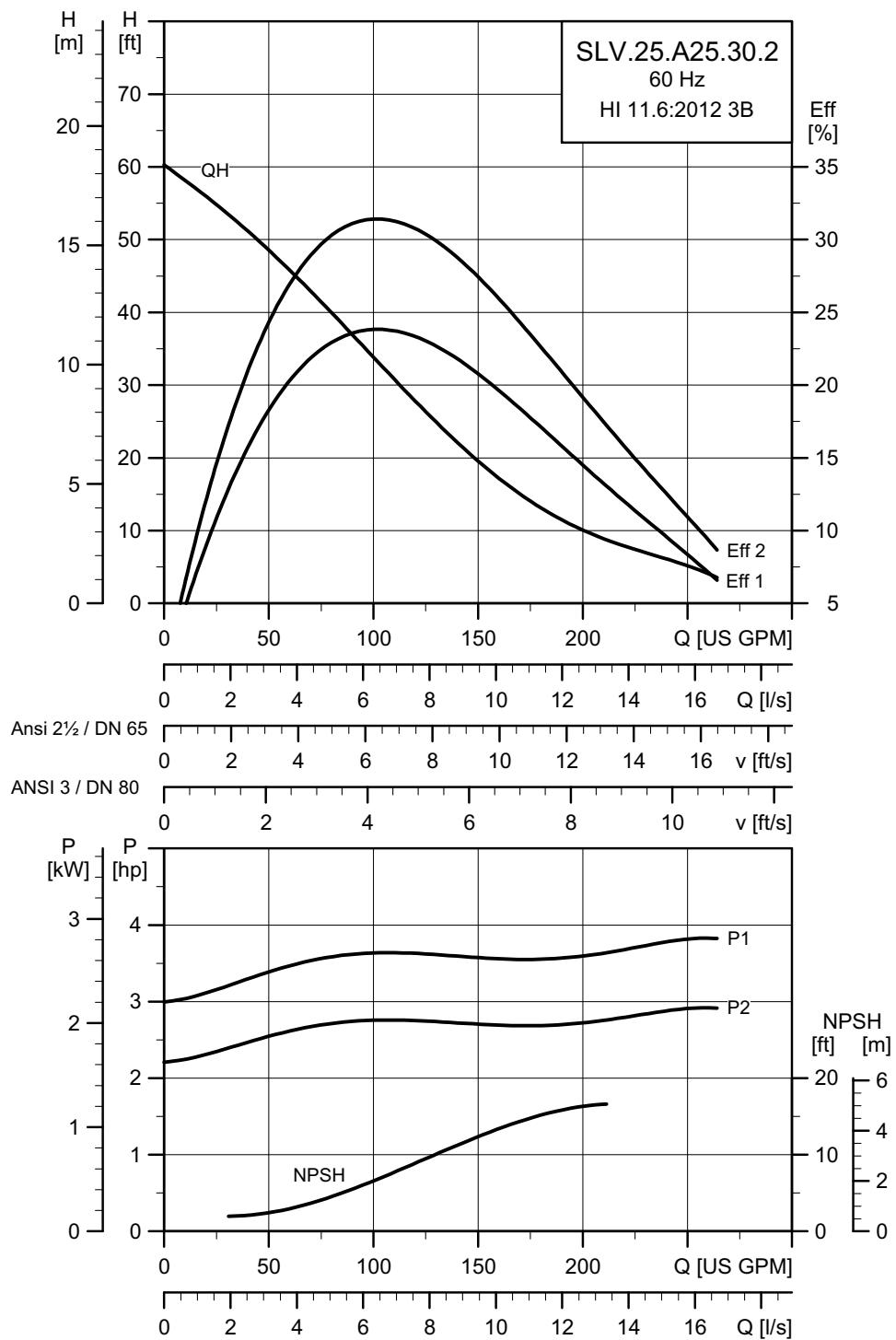
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	11.8	4.3	11.0	43.0	30.8	21.5	4.3	2.0	39.1	6.5	0	11.0	17.7	6.0	4 x M16
[mm]	300	110	280	1093	780	545	110	50	991	164	0	280	450	150	4 x M16

Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]		No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
		[hp]	[kW]				[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	11.4 (8.4)	10.0 (7.5)	4	1766	DOL	27.0 - 27.5	205	91.0	91.4	91.0	0.71	0.81	0.85	1.15	2.143 (0.0903)	118 (160)
61R	3 x 230 V D/ 460 V Y	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	26.0	160	90.9	91.1	90.3	0.75	0.84	0.87	1.15	2.143 (0.0903)	81.1 (110)
61L	3 x 575 V D Y/D	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	9.8	79	91.0	91.4	91.0	0.71	0.81	0.85	1.15	2.143 (0.0903)	118 (160)

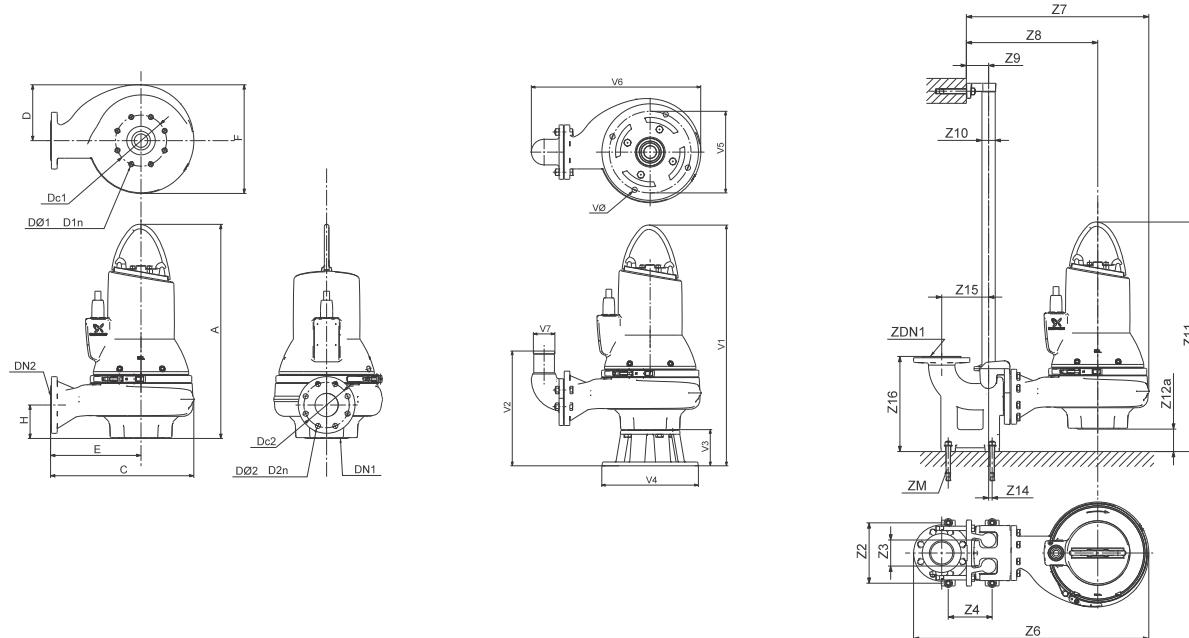
Pump data

Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
S-tube	4 (100)	10	20	IP68	H	A	104 (40)	4-14

SLV.25.A25Performance curves: **SLV.25.A25.30.2.--.C**

TM047249 1914

Dimensional sketches: SLV.25.A25.30.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	26.9	15.6	6.7	9.7	12.6	4.0	3.0	6.0	8 x M16	2.5	5.5	4 x 0.75
[mm]	684	396	171	246	321	102	DN 80	153	8 x M16	DN 65	140	65.2 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.3	3.7	5.5	28.7	21.5	15.5	3.2	1.5	29.5	2.5	0.1	6.9
[mm]	210	95	140	730	544	394	81	40	748	64	1	175
ZDN1	ZM											
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	32.0	15.4	5.0	13.0	11.0	20.0	2.6					0.7
[mm]	812	389	128	330	280	509	65					18

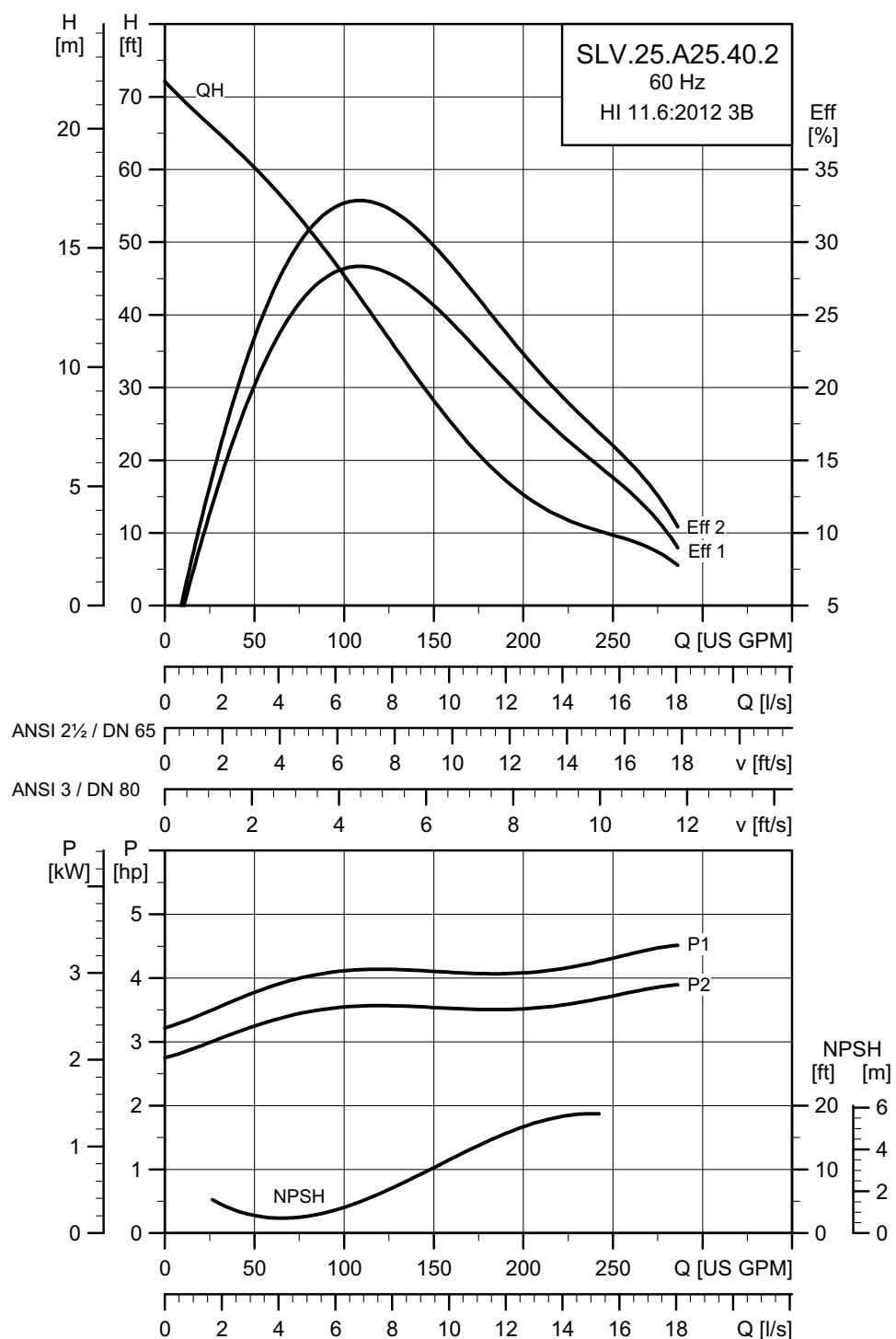
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	4.0 (3.0)	3.0 (2.2)	2	3503	DOL	9.5 - 8.9	68	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.135 (0.0057)	15.5 (21)
61R	3 x 230 V D/ 460 V Y	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	8.55	50	84.0	85.2	83.8	0.81	0.87	0.90	1.15	0.135 (0.0057)	12.5 (17)
61L	3 x 575 V D Y/D	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	3.5	26	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.135 (0.0057)	15.5 (21)

Pump data

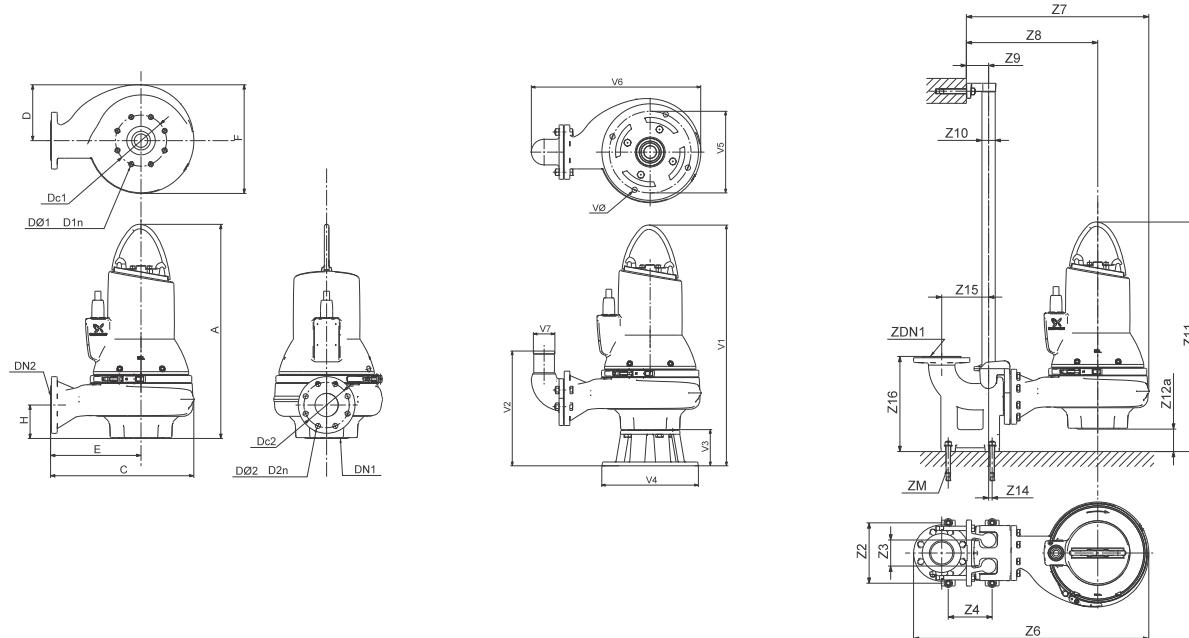
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	2.5 (65)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.25.A25.40.2---C



TMO472501914

Dimensional sketches: SLV.25.A25.40.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	26.9	15.6	6.7	9.7	12.6	4.0	3.0	6.0	8 x M16	2.5	5.5	406.5 lb
[mm]	684	396	171	246	321	102	DN 80	153	8 x M16	DN 65	140	93.7 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.3	3.7	5.5	28.7	21.5	15.5	3.2	1.5	29.5	2.5	0.1	6.9
[mm]	210	95	140	730	544	394	81	40	748	64	1	175
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	32.0	15.4	5.0	13.0	11.0	20.0	2.6					
[mm]	812	389	128	330	280	509	65					

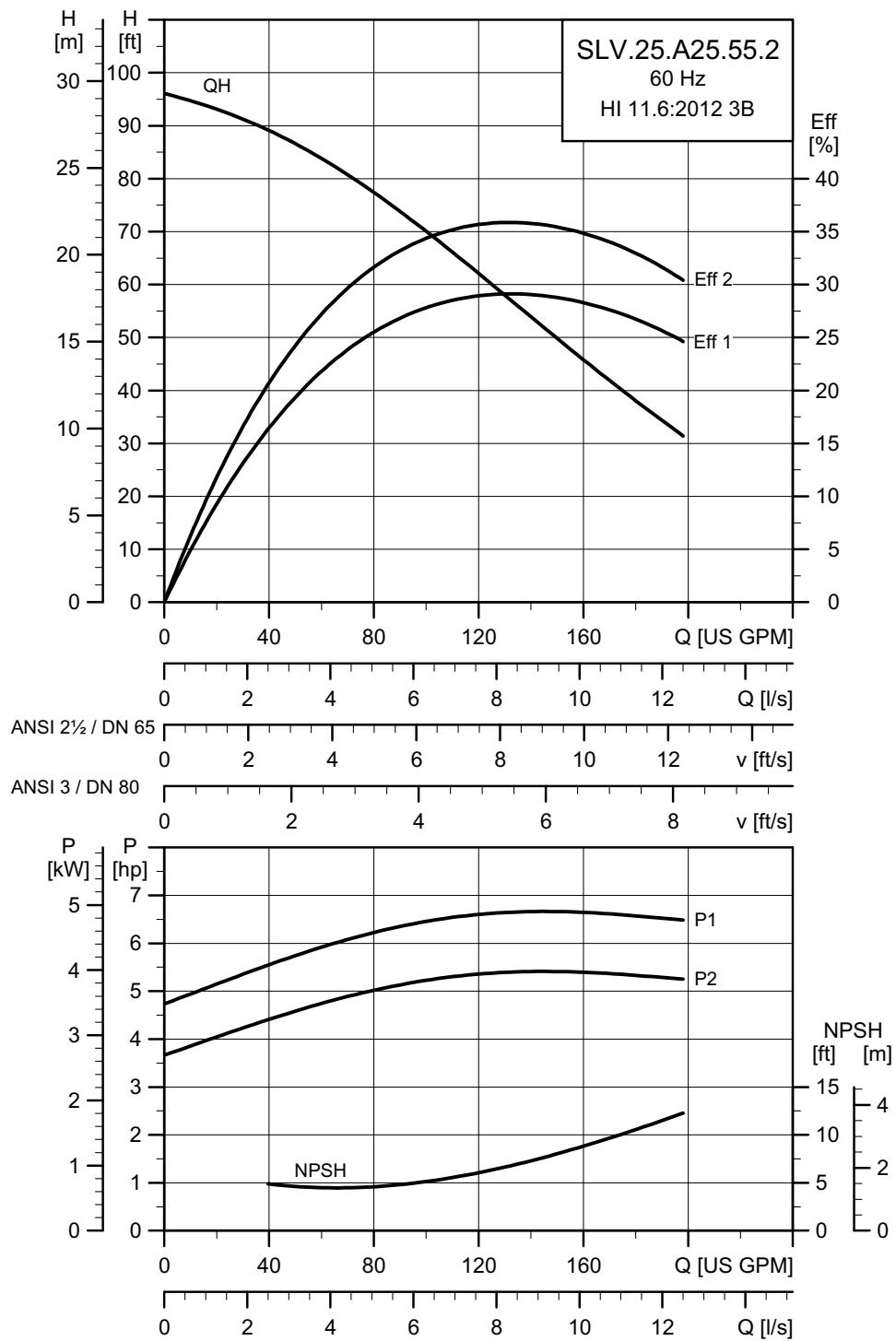
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D	5.1 (3.8)	4.0 (3.0)	2	3515	DOL	12.4 - 12.3	98	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.135 (0.0057)	40.6 (55)
61R	3 x 230 V D/ 460 V Y	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	11.4	80	85.3	85.9	85.5	0.80	0.86	0.89	1.15	0.135 (0.0057)	20.7 (28)
61L	3 x 575 V D Y/D	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	4.5	37	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.135 (0.0057)	40.6 (55)

Pump data

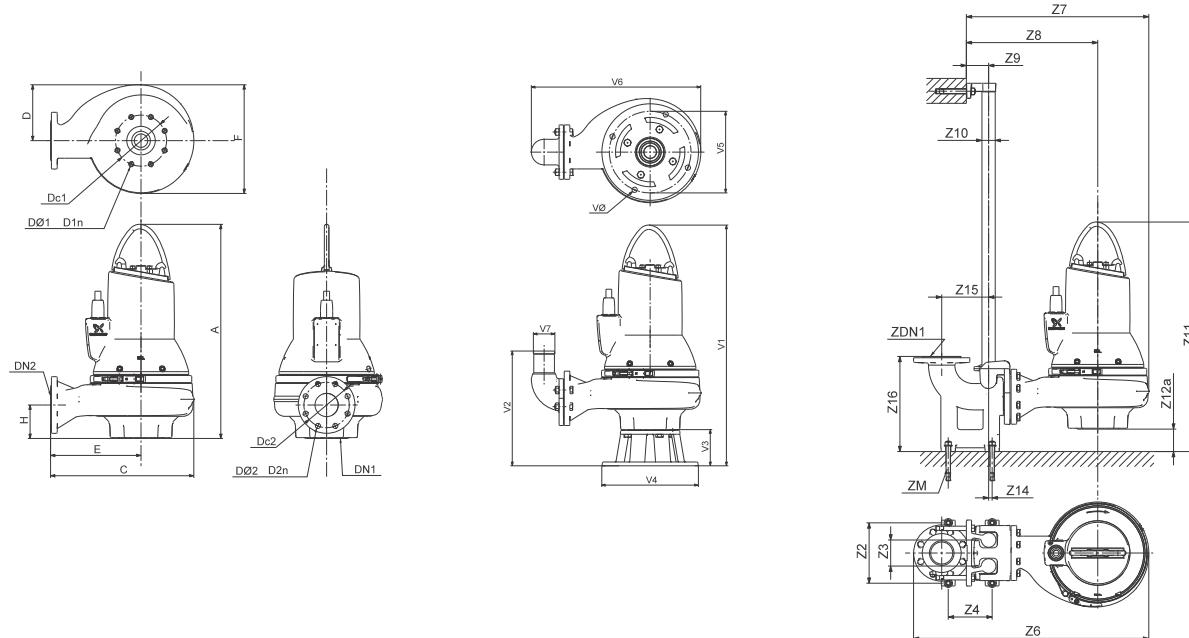
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	2.5 (65)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.25.A25.55.2---C



TM047251914

Dimensional sketches: SLV.25.A25.55.2---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

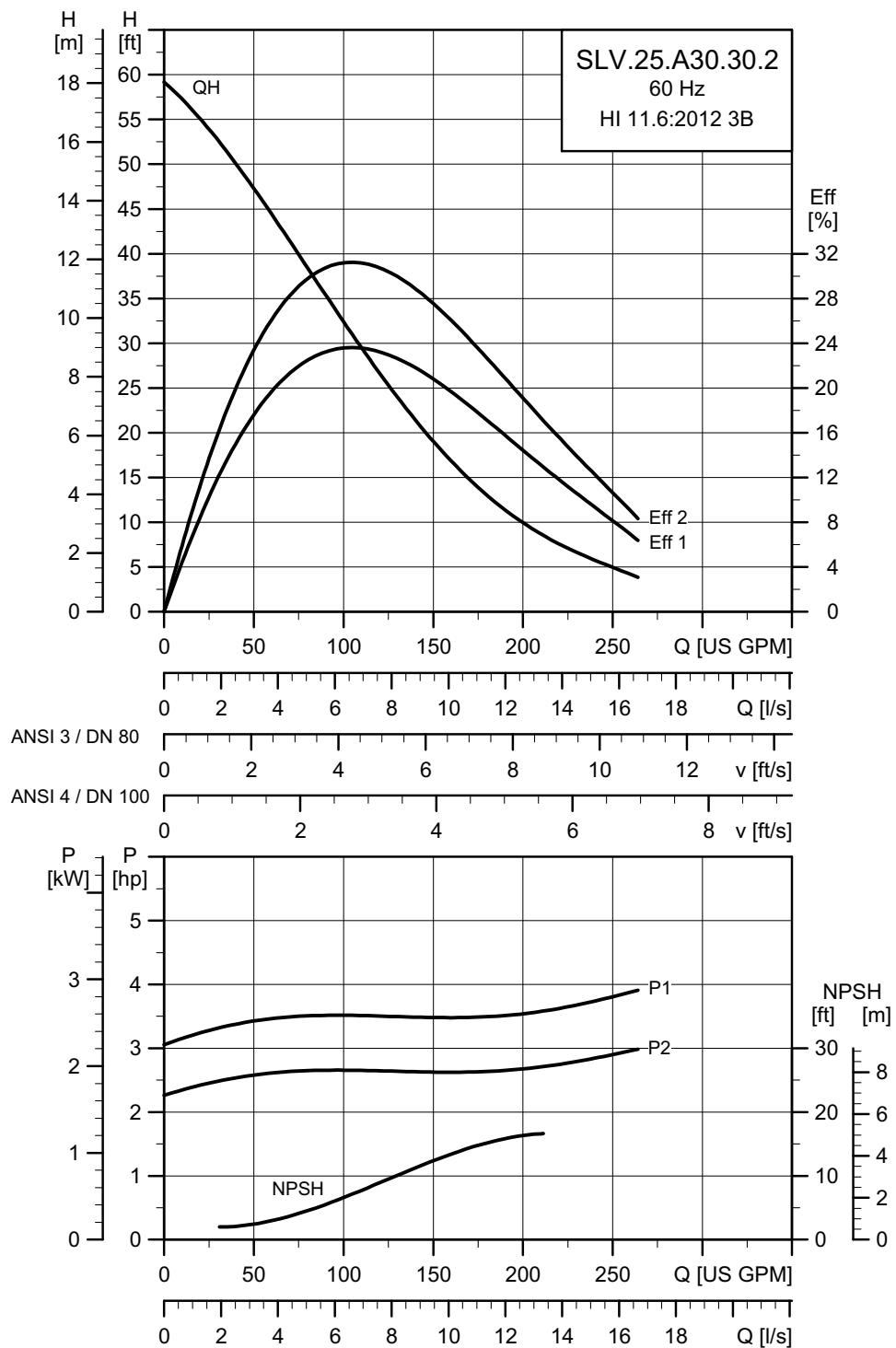
A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.3	18.0	7.9	10.9	15.0	4.2	3.0	6.0	8 x M16	2.5	5.5	4 x 0.75
[mm]	718	456	200	276	380	106	DN 80	153	8 x M16	DN 65	140	4 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.3	3.7	5.5	31.1	23.8	16.7	3.2	1.5	30.7	2.4	0.1	6.9
[mm]	210	95	140	790	604	424	81	40	778	60	1	175
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	33.4	15.5	5.0	13.0	11.0	22.4	2.6					0.7
[mm]	846	393	128	330	280	569	65					18

Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	6.7 (5.0)	5.5 (4.0)	2	3535	DOL	15.2 - 14.7	166	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.342 (0.0144)	41.3 (56)
61R	3 x 230 V D/ 460 V Y	6.7 (5.0)	5.5 (4.0)	2	3535	Y/D	14.4	120	82.7	85.4	861	0.80	0.87	0.90	1.15	0.342 (0.0144)	28.8 (39)
61L	3 x 575 V D Y/D	6.8 (5.0)	5.5 (4.0)	2	3535	Y/D	5.5	64	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.342 (0.0144)	41.3 (56)

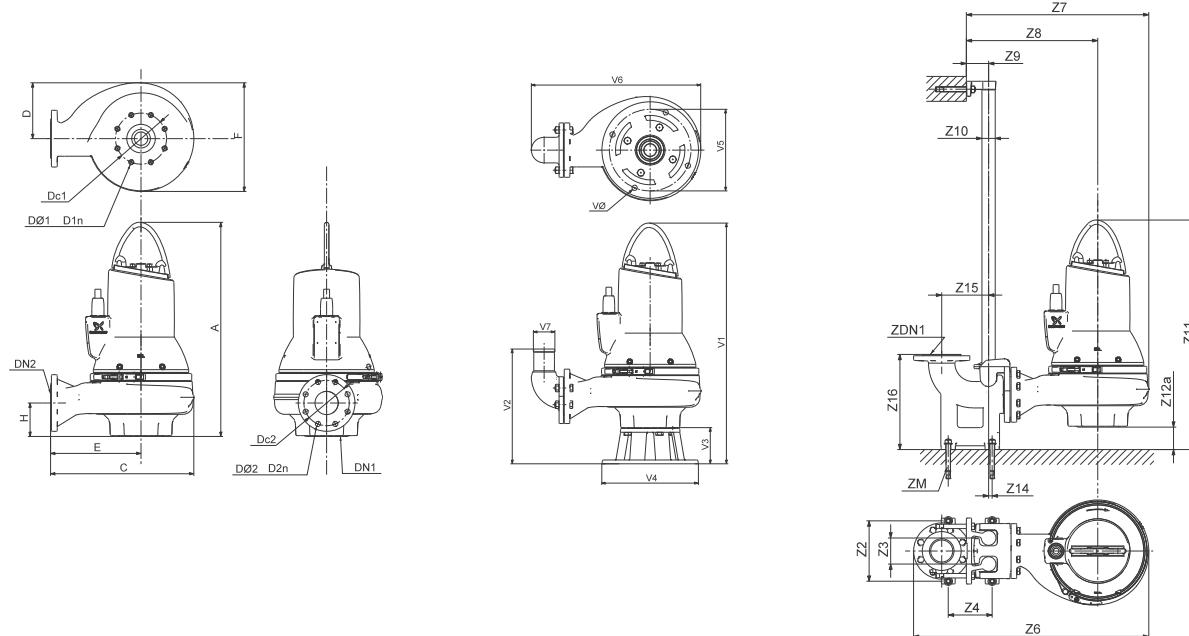
Pump data

Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	2.5 (65)	10	20	IP68	H	A	104 (40)	4-14

SLV.25.A30**Performance curves: SLV.25.A30.30.2.--.C**

T110472521614

Dimensional sketches: SLV.25.A30.30.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1	D1n	DN 2	Dc2	DØ2	D2n	Weight	
[in.]	27.0	15.6	6.7	9.7	12.6	4.1	3.0	6.0	8 x M16	3.0	6.0	8 x 0.75	146.1 lb		
[mm]	685	397	171	247	321	103	DN 80	153	8 x M16	DN 80	153	8 x 19.1	66.3 kg		
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	29.5	22.0	16.0	3.2	1.5	30.8	3.8	0.51	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	750	557	407	81	40	782	97	13	171	345	80	4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	32.1	16.0	5.0	13.0	11.0	20.2	3.2	0.7							
[mm]	813	405	128	330	280	513	80	18							

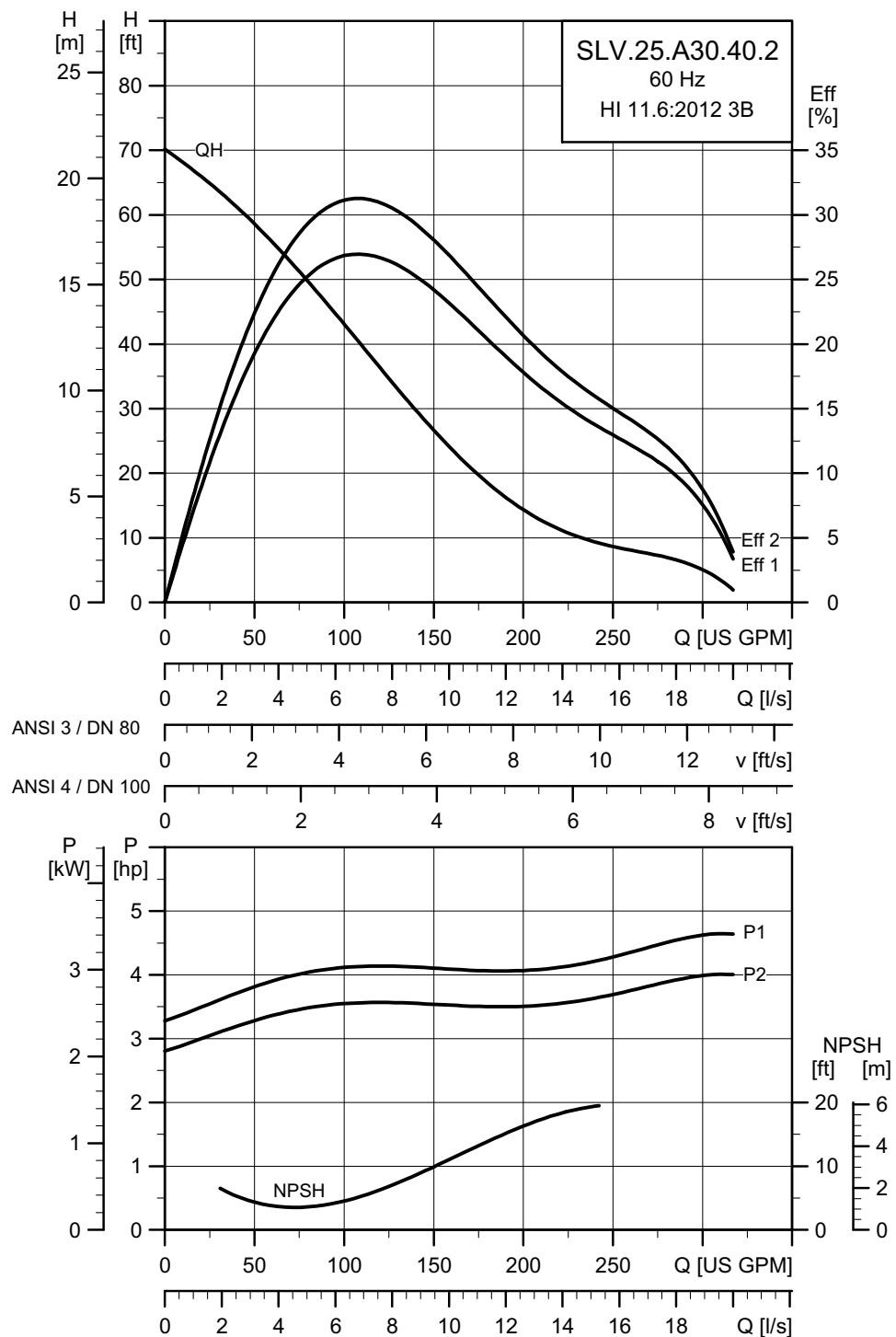
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	4.0 (3.0)	3.0 (2.2)	2	3503	DOL	9.5 - 8.9	68	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.342 (0.0144)	15.5 (21)		
61R	3 x 230 V D/ 460 V Y	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	8.55	50	84.0	85.2	83.8	0.81	0.87	0.90	1.15	0.342 (0.0144)	12.5 (17)		
61L	3 x 575 V D Y/D	4.0 (3.0)	3.0 (2.2)	2	3503	Y/D	3.5	26	83.8	85.8	85.0	0.78	0.85	0.89	1.15	0.342 (0.0144)	15.5 (21)		

Pump data

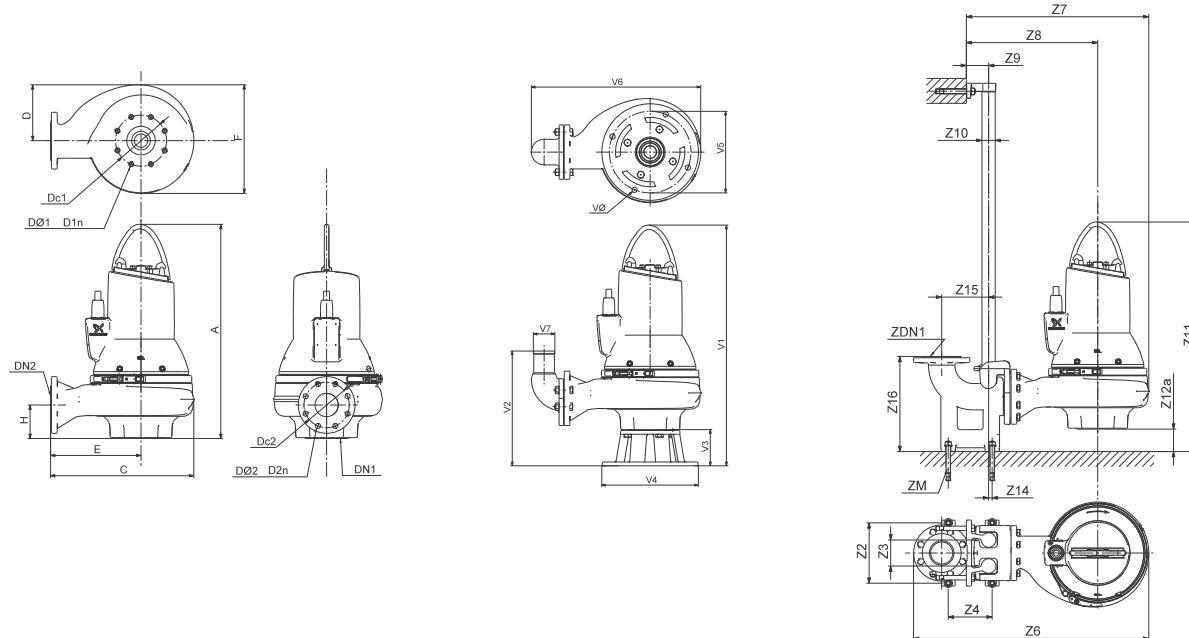
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	2.5 (65)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.25.A30.40.2---C



TM04 7253 1914

Dimensional sketches: SLV.25.A30.40.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight			
[in.]	27.0	15.6	6.7	9.7	12.6	4.1	3.0	6.0	8 x M16	3.0	6.0	8 x 0.75	208.9 lb		
[mm]	685	397	171	247	321	103	DN 80	153	8 x M16	DN 80	153	8 x 19.1	94.8 kg		
<hr/>															
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	29.5	22.0	16.0	3.2	1.5	30.8	3.8	0.6	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	750	557	407	81	40	782	97	13	171	345	80	4 x M16
<hr/>															
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	32.1	16.0	5.0	13.0	11.0	20.2	3.2								
[mm]	813	405	128	330	280	513	80								

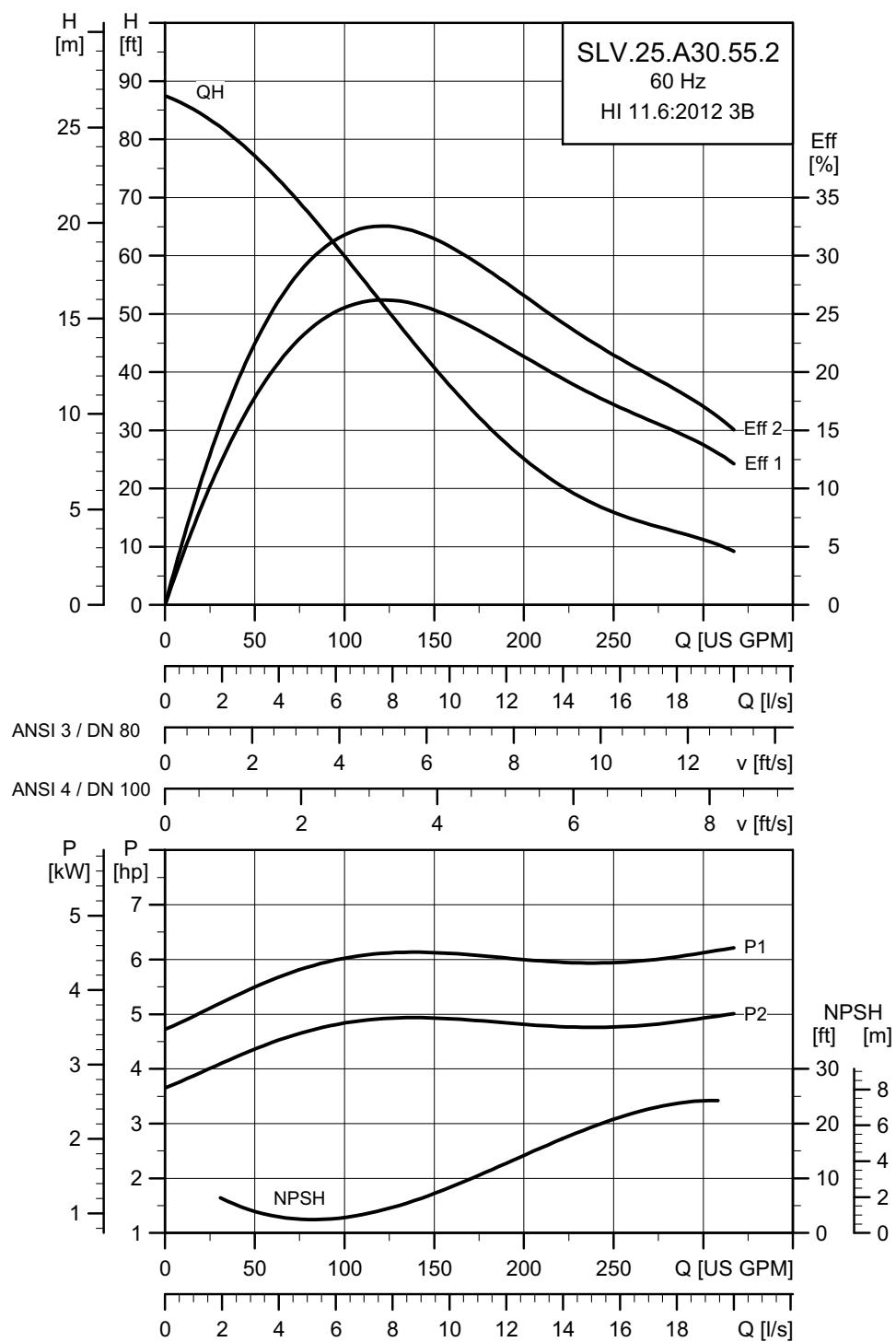
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
		[A]	[A]				1/2	3/4	1/1	1/2	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	5.1 (3.8)	4.0 (3.0)	2	3515	DOL	12.4 - 12.3	98	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.342 (0.0144)	40.6 (55)
61R	3 x 230 V D/ 460 V Y	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	11.4	80	85.3	85.9	85.5	0.80	0.86	0.89	1.15	0.342 (0.0144)	20.7 (28)
61L	3 x 575 V D Y/D	5.1 (3.8)	4.0 (3.0)	2	3515	Y/D	4.5	37	84.8	86.5	86.5	0.74	0.83	0.87	1.15	0.342 (0.0144)	40.6 (55)

Pump data

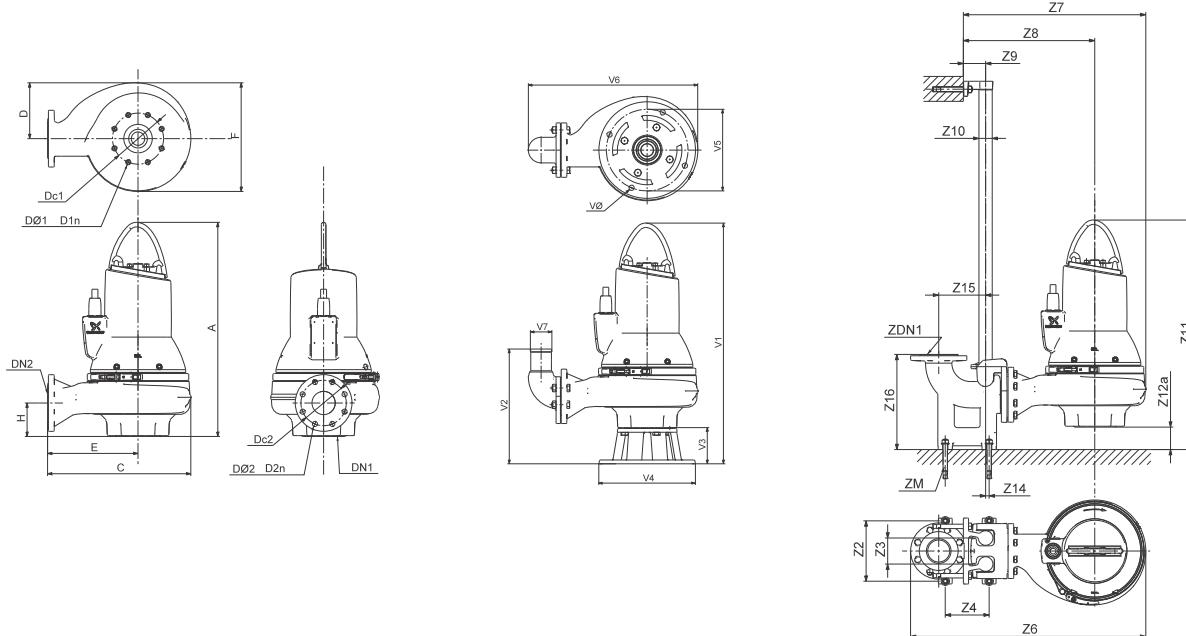
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	2.5 (65)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.25.A30.55.2---C



TM047254 1914

Dimensional sketches: SLV.25.A30.55.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

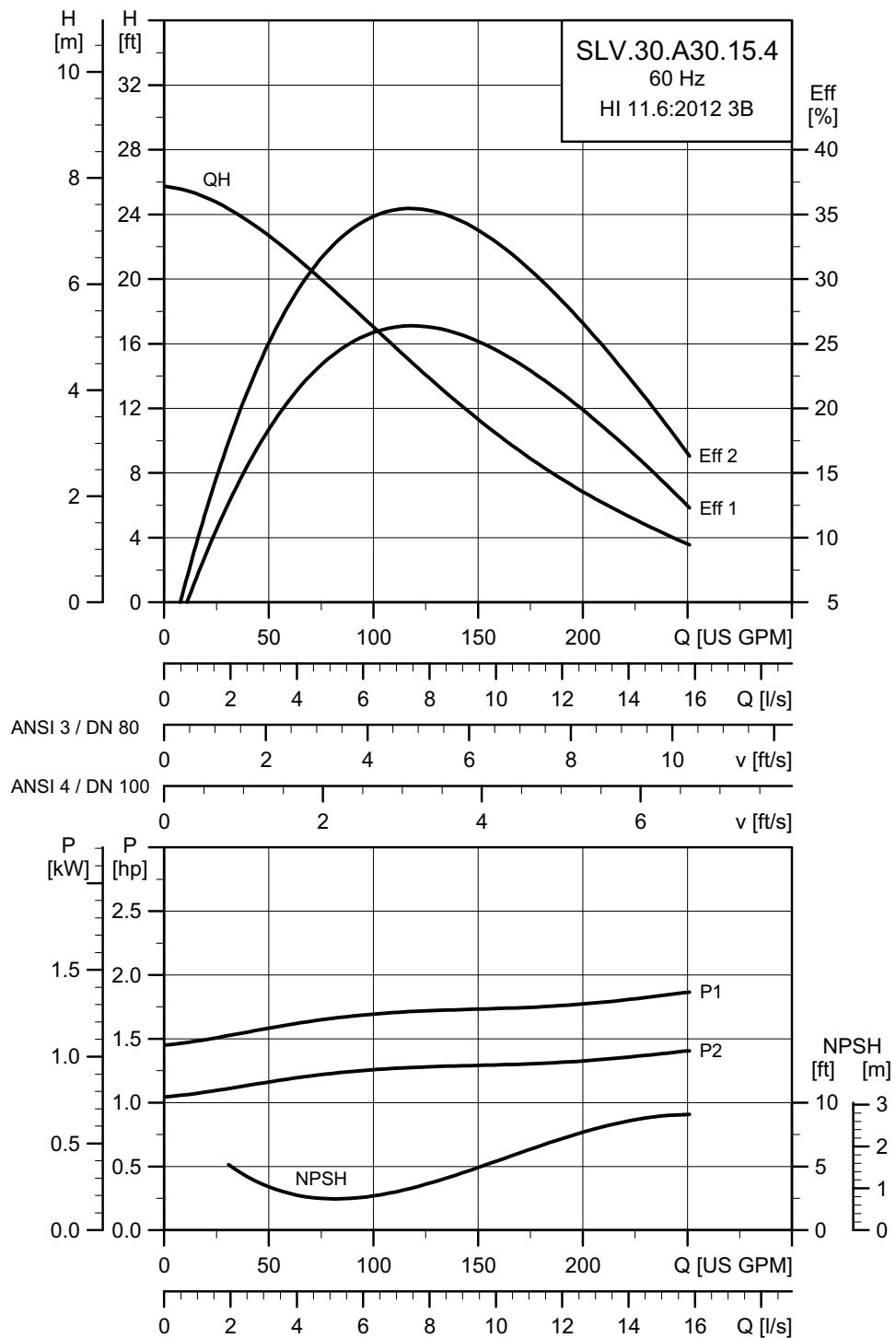
A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.3	17.9	7.9	10.9	14.9	4.2	3.0	6.0	8 x M16	3.0	6.0	8 x 0.75
[mm]	718	455	200	276	379	106	DN 80	153	8 x M16	DN 80	153	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	31.8	24.3	17.2	3.2	1.5	32.0	3.7	0.6	6.7
[mm]	220	95	160	808	615	436	81	40	812	94	13	171
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	VØ
[in.]	33.4	16.1	5.0	13.0	11.0	22.5	3.2	0.7	0.8	0.8	0.8	0.7
[mm]	846	408	128	330	280	571	80	18	18	18	18	18

Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N I _{start} η _{motor} [%] Cos φ						SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	6.7 (5.0)	5.5 (4.0)	2	3535	DOL	15.2 - 14.7	166	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.318 (0.0134)	41.3 (56)
61R	3 x 230 V D/ 460 V Y	6.7 (5.0)	5.5 (4.0)	2	3535	Y/D	14.4	120	82.7	85.4	86.1	0.80	0.87	0.90	1.15	0.318 (0.0134)	28.8 (39)
61L	3 x 575 V D Y/D	6.8 (5.0)	5.5 (4.0)	2	3535	Y/D	5.5	64	82.0	85.0	86.0	0.76	0.84	0.88	1.15	0.318 (0.0134)	41.3 (56)

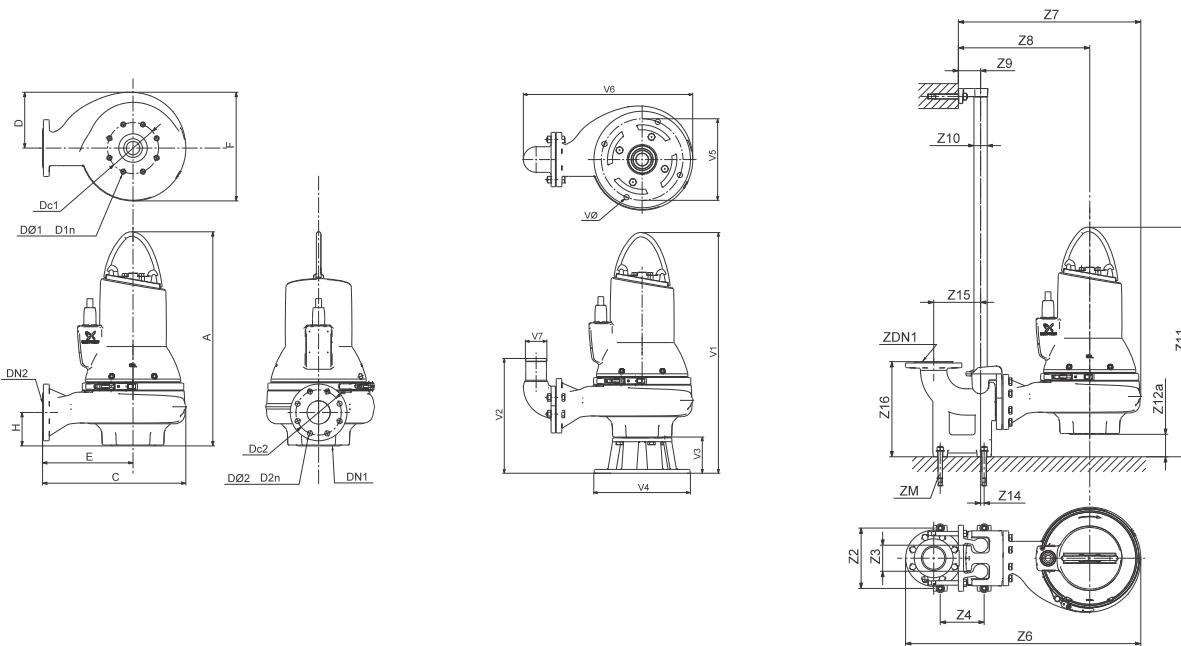
Pump data

Impeller type	Max. solids size		Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	[mm]							
SuperVortex	2.5 (65)	10		20	IP68	H	A	104 (40)	4-14

SLV.30.A30Performance curves: **SLV.30.A30.15.4.--.C**

TMO472551914

Dimensional sketches: SLV.30.A30.15.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.0	16.1	6.7	9.5	13.4	4.3	3.0	6.0	8 x M16	3.0	6.0	203.6 lb
[mm]	711	409	171	241	339	109	DN 80	153	8 x M16	DN 80	153	92.4 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	30	22.4	15.8	3.2	1.5	31.6	3.6	0.6	13.6
[mm]	220	95	160	762	569	401	81	40	802	91	13	345
ZDN1	ZM											
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13
[in.]	33.1	16.2	5.0	13.0	11.0	20.7	3.2	0.7				
[mm]	839	411	128	330	280	525	80	18				

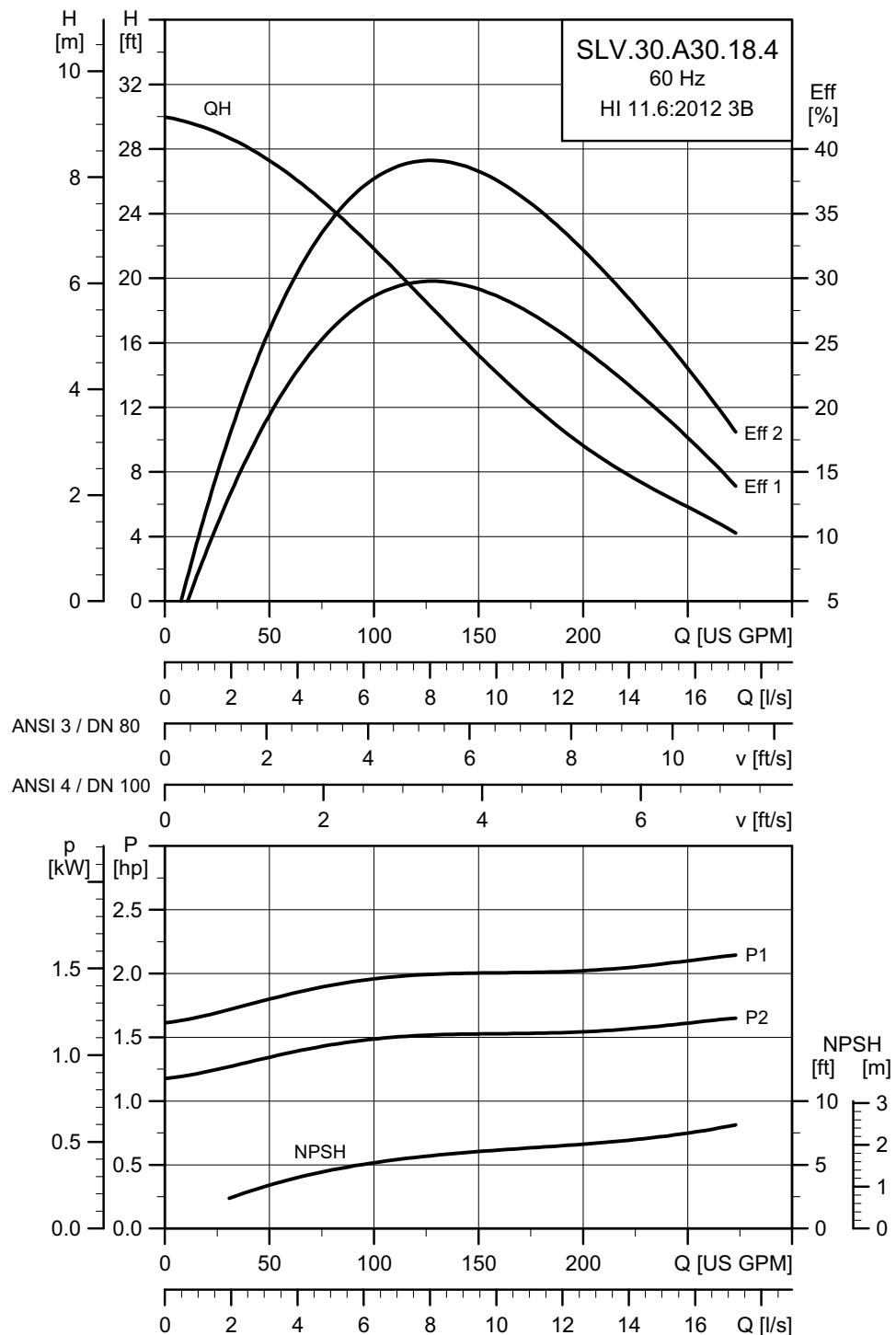
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D DOL	2.0 (1.5)	1.5 (1.1)	4	1754	DOL	5.4 - 5.9	33	81.0	84.2	84.6	0.52	0.65	0.72	1.15	2.143 (0.0903)	17.7 (24)
61R	3 x 230 V D/ 460 V Y	2.0 (1.5)	1.5 (1.1)	4	1754	Y/D	5.1	28	82.2	84.3	84.0	0.57	0.70	0.76	1.15	2.143 (0.0903)	217.7 (24)
60L	3 x 575 V D DOL	2.0 (1.5)	1.5 (1.1)	4	1754	DOL	2.0	13	81.0	84.2	84.6	0.52	0.65	0.72	1.15	2.143 (0.0903)	17.7 (24)
61L	3 x 575 V D Y/D	2.0 (1.5)	1.5 (1.1)	4	1754	Y/D	2.0	13	81.0	84.2	84.6	0.52	0.65	0.72	1.15	2.143 (0.0903)	17.7 (24)

Pump data

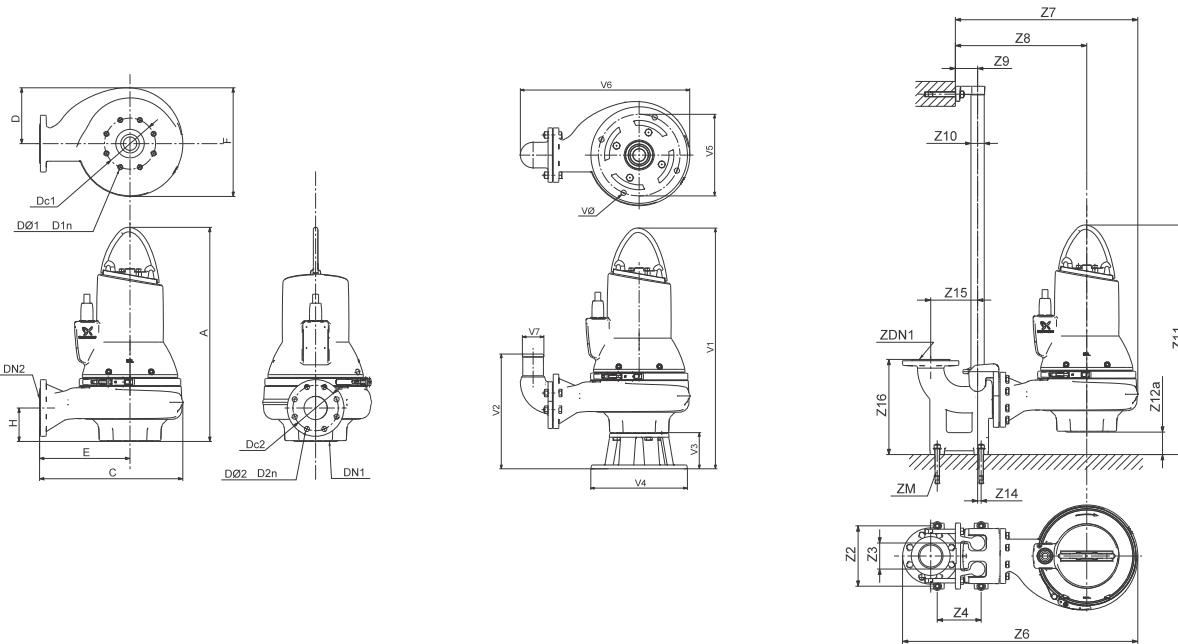
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.18.4---C



TM0472561614

Dimensional sketches: SLV.30.A30.18.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.0	16.1	6.7	9.5	13.4	4.3	3.0	6.0	8 x M16	3.0	6.0	8 x 0.75
[mm]	711	409	171	241	339	109	DN 80	153	8 x M16	DN 80	153	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	30	22.4	15.8	3.2	1.5	31.6	3.6	0.6	6.7
[mm]	220	95	160	762	569	401	81	40	802	91	13	171
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	33.1	16.2	5.0	13.0	11.0	20.7	3.2					0.7
[mm]	839	411	128	330	280	525	80					18

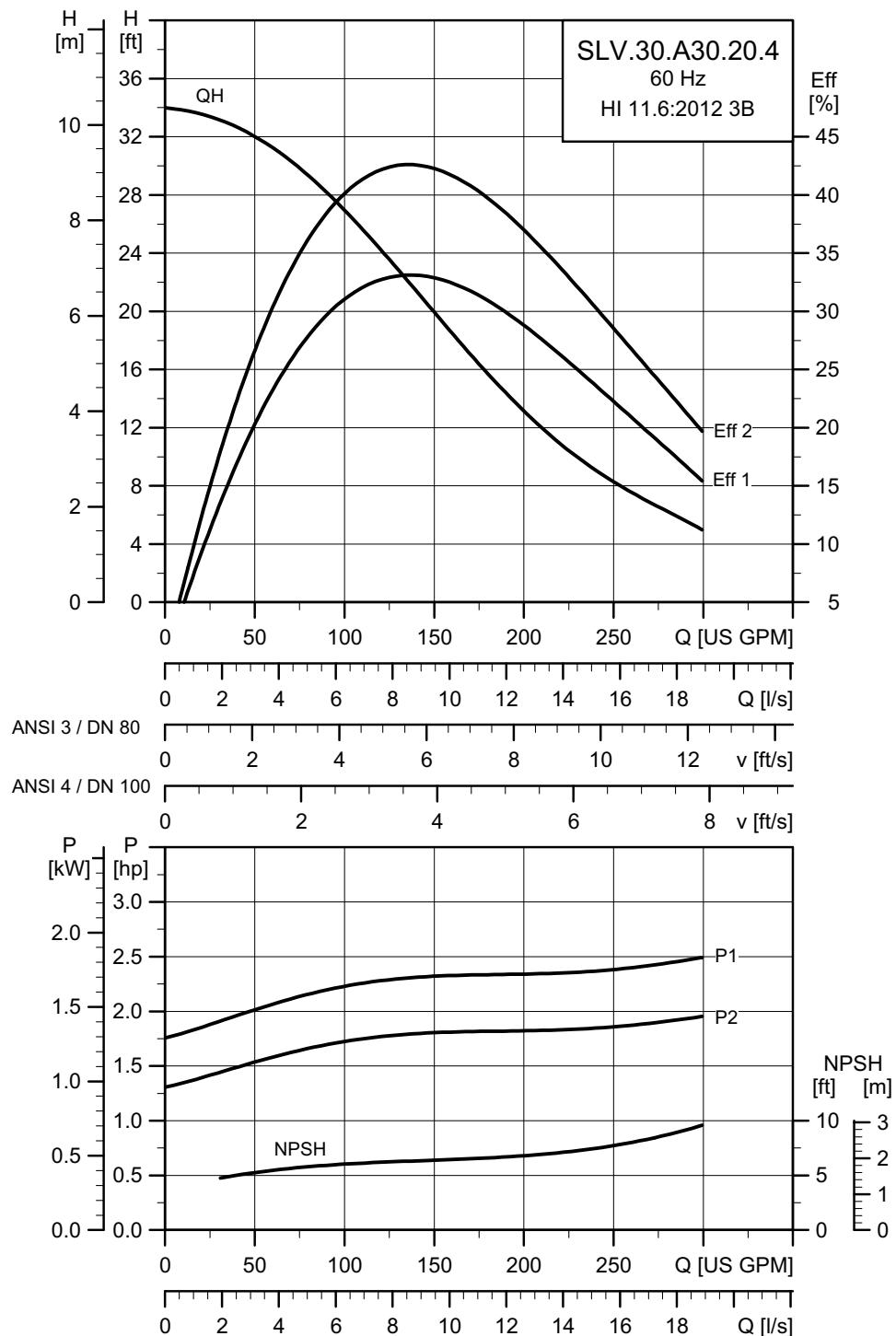
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D DOL	2.4 (1.8)	1.8 (1.3)	4	1753	DOL	7.0 - 7.7	53	82.0	85.2	86.0	0.30	0.39	0.46	1.15	1.241 (0.0523)	22.1 (30)		
61R	3 x 230 V D/ 460 V Y	2.4 (1.8)	1.8 (1.3)	4	1753	Y/D	6.0	40	82.8	85.3	85.8	0.52	0.65	0.72	1.15	1.241 (0.0523)	18.4 (25)		
60L	3 x 575 V D DOL	2.4 (1.8)	1.8 (1.3)	4	1753	DOL	2.5	20	82.0	85.2	86.0	0.30	0.39	0.46	1.15	1.241 (0.0523)	22.1 (30)		
61L	3 x 575 V D Y/D	2.4 (1.8)	1.8 (1.3)	4	1753	Y/D	2.5	20	82.0	85.2	86.0	0.30	0.39	0.46	1.15	1.241 (0.0523)	22.1 (30)		

Pump data

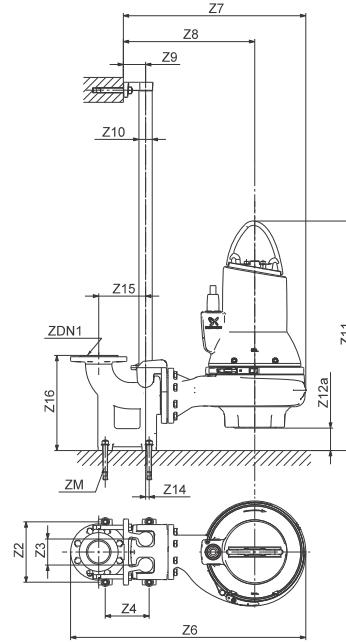
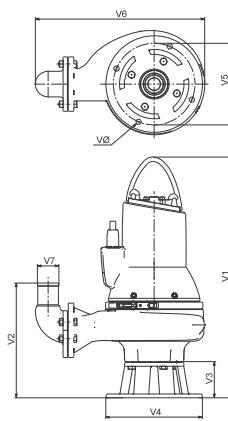
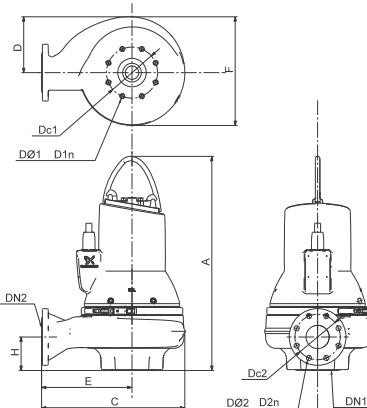
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.20.4---C



TM0047257194

Dimensional sketches: SLV.30.A30.20.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.0	16.1	6.7	9.5	13.4	4.3	3.0	6.0	8 x M16	3.0	6.0	211.6 lb
[mm]	711	409	171	241	339	109	DN 80	153	8 x M16	DN 80	153	96 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	30	22.4	15.8	3.2	1.5	31.6	3.6	0.6	6.7
[mm]	220	95	160	762	569	401	81	40	802	91	13	171
ZDN1	ZM											
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	33.1	16.2	5.0	13.0	11.0	20.7	3.2	0.7				
[mm]	839	411	128	330	280	525	80	18				

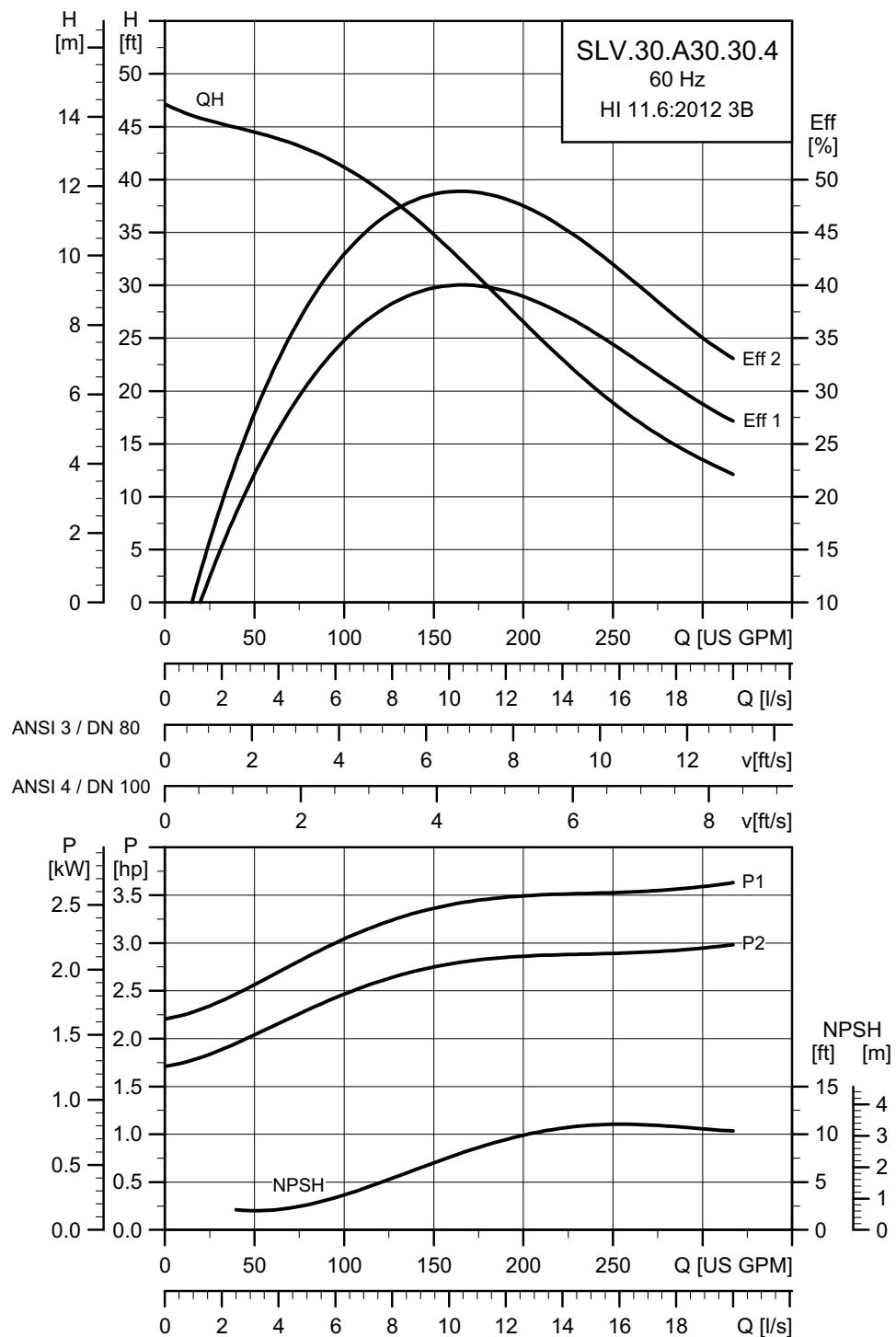
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	7.1 - 7.9	53	83.3	85.7	86.0	0.51	0.63	0.72	1.15	1.217 (0.0513)	22.1 (30)
61R	3 x 230 V D/ 460 V Y	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	6.5	40	84.2	85.7	85.4	0.56	0.69	0.76	1.15	1.217 (0.0513)	18.4 (25)
60L	3 x 575 V D DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	1.217 (0.0513)	22.1 (30)
61L	3 x 575 V D Y/D	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	1.217 (0.0513)	22.1 (30)

Pump data

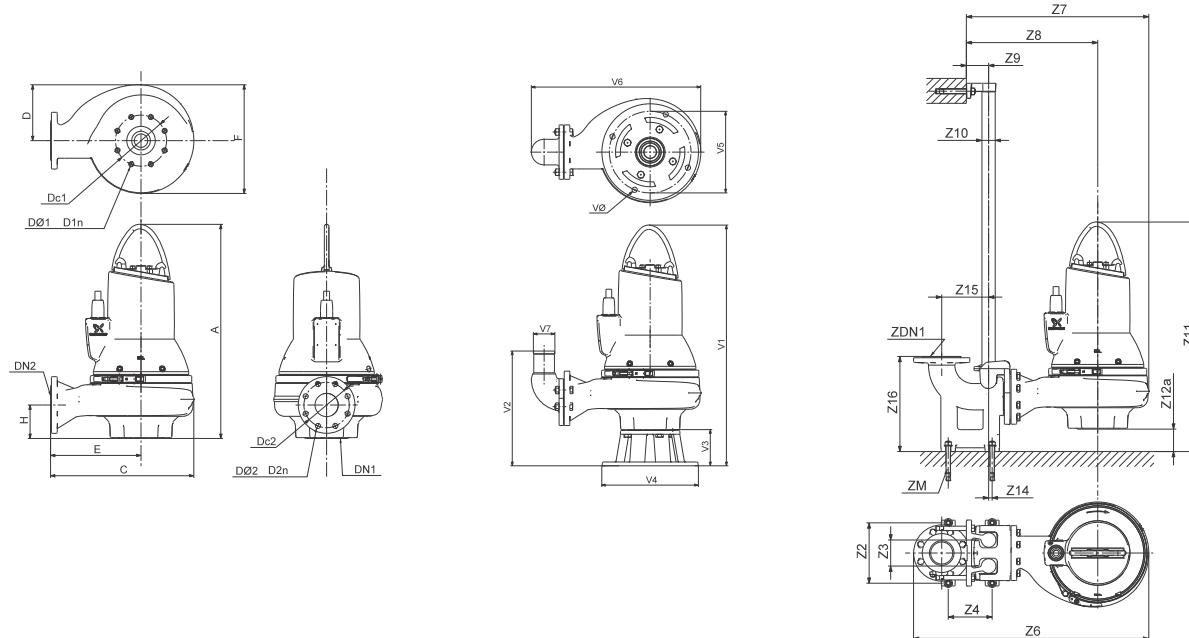
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.30.4---C

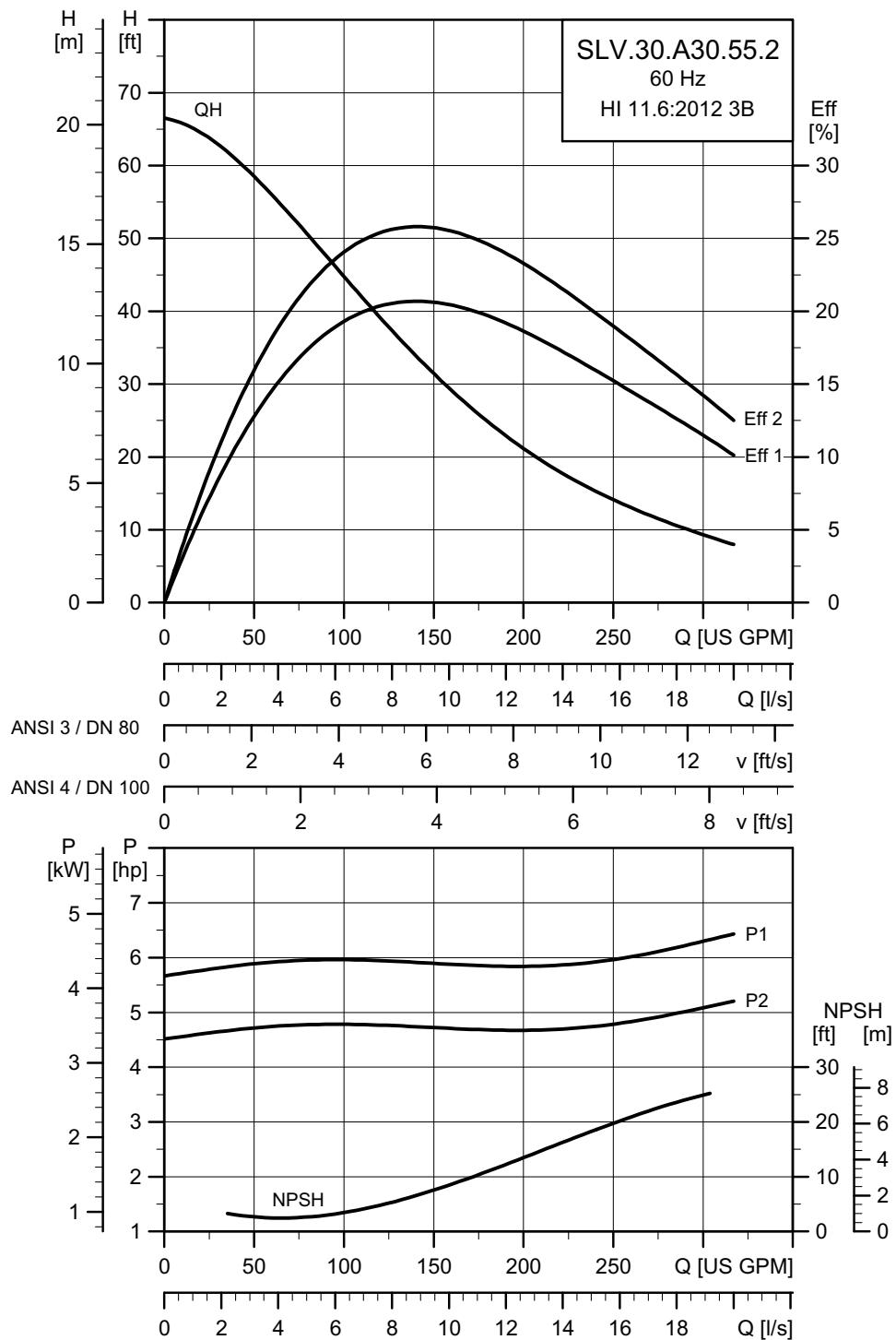


TM0472581914

Dimensional sketches: SLV.30.A30.30.4---C

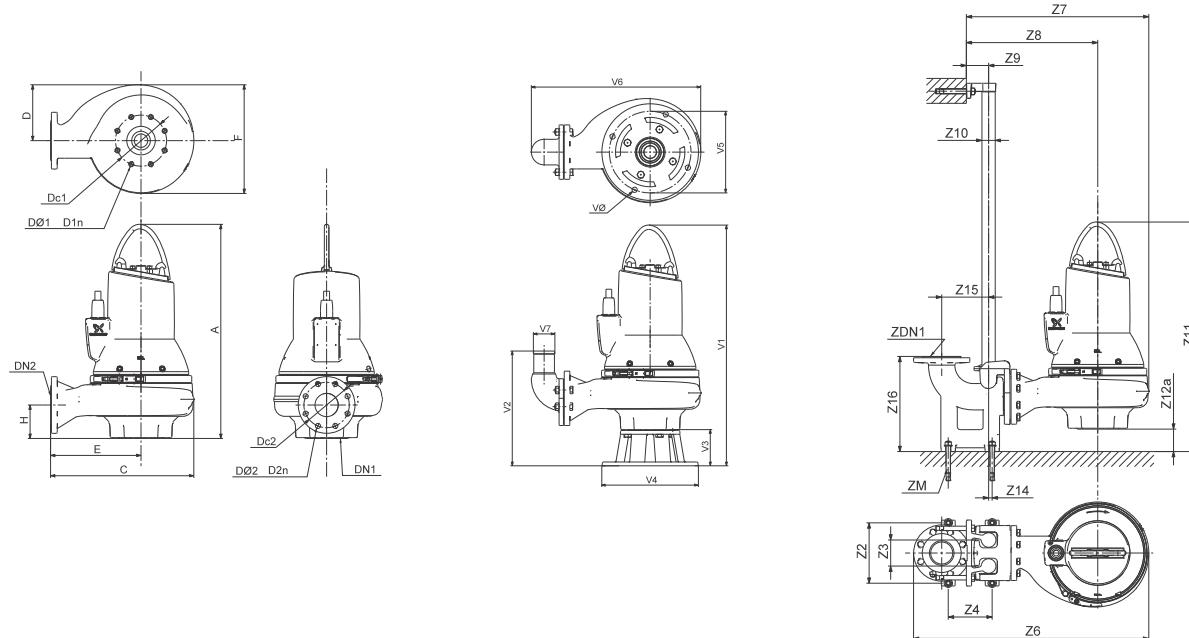


Performance curves: SLV.30.A30.55.2---C



TM0472591914

Dimensional sketches: SLV.30.A30.55.2---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.3	18.0	7.9	10.9	15.0	4.1	3.0	6.0	8 x M16	3.0	6.0	8 x 0.75
[mm]	744	456	200	276	380	104	DN 80	153	8 x M16	DN 80	153	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	31.9	24.3	17.2	3.2	1.5	33.1	3.8	0.6	6.7
[mm]	220	95	160	809	616	436	81	40	840	96	13	171
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	34.4	16.0	5.0	13.0	11.0	22.5	3.2					0.7
[mm]	872	406	128	330	280	572	80					18

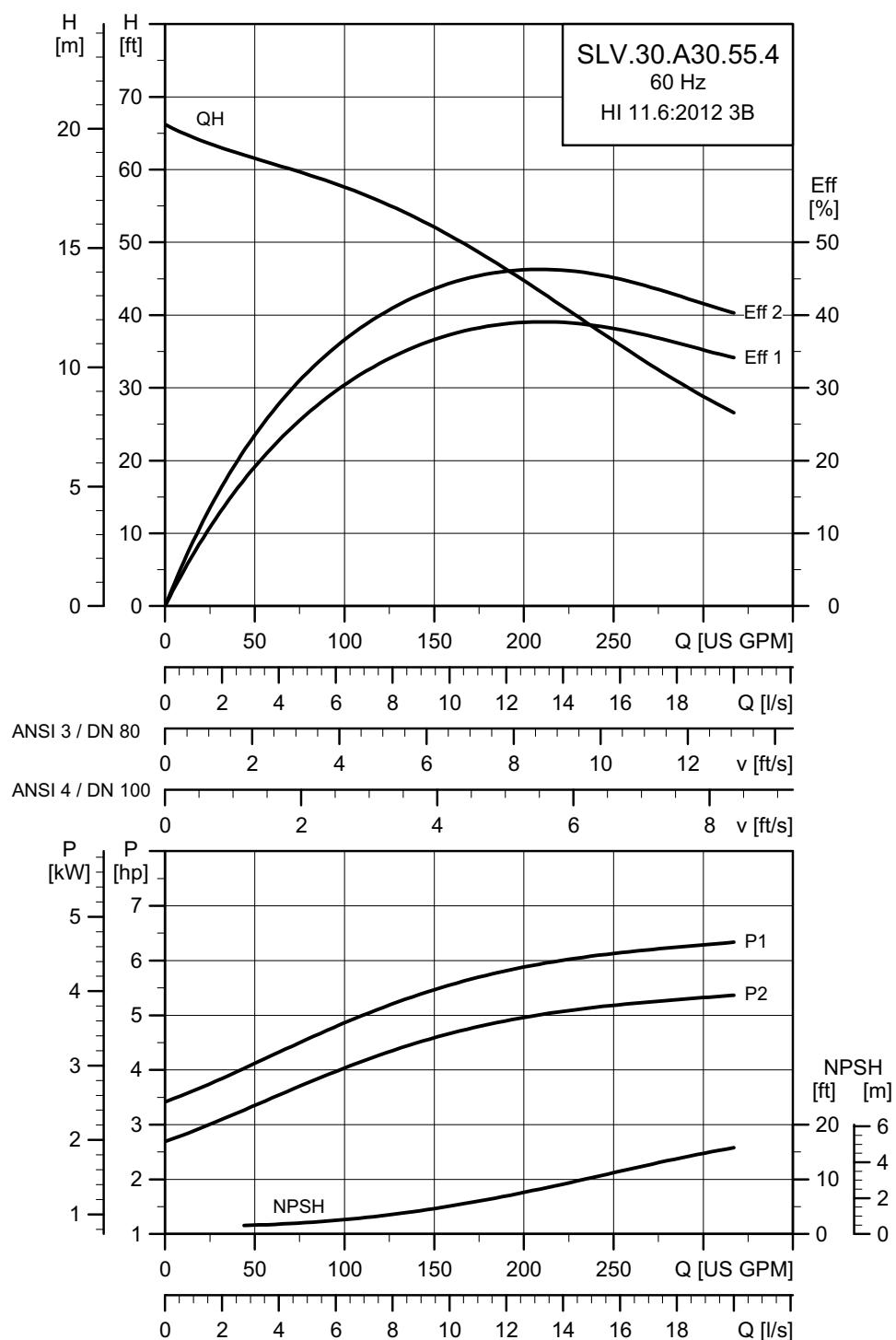
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb ² ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
61J	3 x 208-230 V D	6.7 (5.0)	5.5 (4.0)	2	1767	Y/D	17.3 - 19.0	133	85.3	87.4	88.2	0.53	0.66	0.74	1.15	2.176 (0.0917)	61.2 (83)
61R	3 x 230 V D / 460 V Y	6.7 (5.0)	5.5 (4.0)	2	1767	Y/D	16.2	120	86.2	86.2	87.8	0.59	0.70	0.78	1.15	2.176 (0.0917)	48.7 (66)
61L	3 x 575 V D Y/D	6.8 (5.0)	5.5 (4.0)	2	1767	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	2.176 (0.0917)	61.2 (83)

Pump data

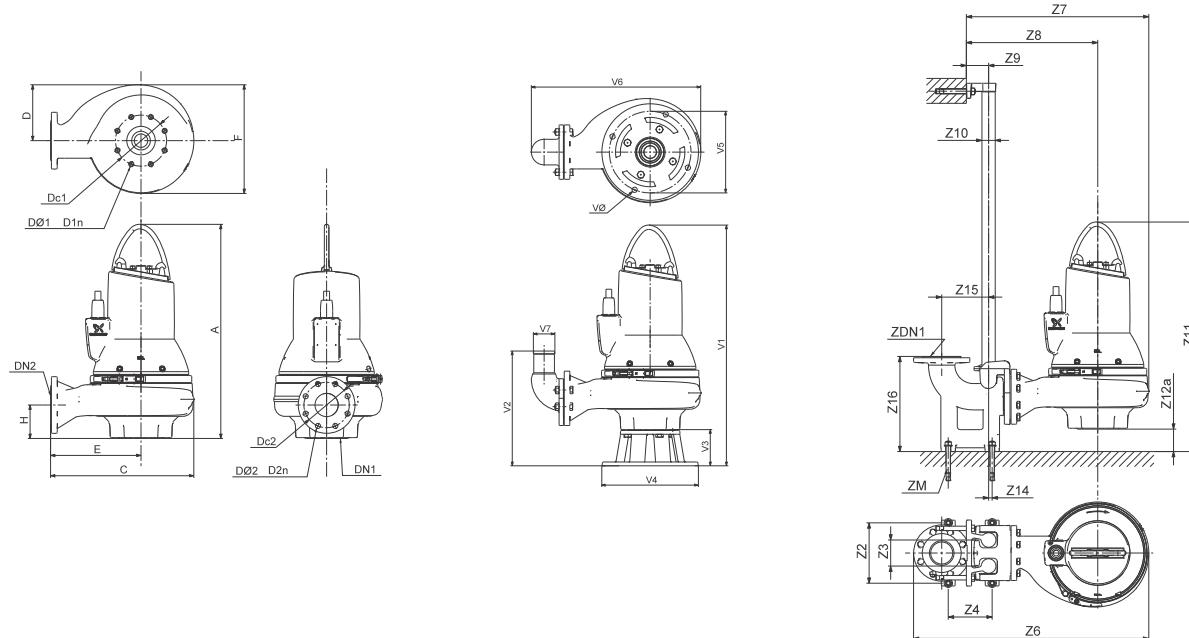
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.55.4---C



TM042601914

Dimensional sketches: SLV.30.A30.55.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.5	18.1	7.9	10.5	15.5	4.3	3.0	6.0	8 x M16	3.0	6.0	293.6 lb
[mm]	748	460	200	267	393	109	DN 80	153	8 x M16	DN 80	153	133.2 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	8.7	3.7	6.3	32.0	24.5	16.8	3.2	1.5	33.1	3.6	0.6	6.7
[mm]	220	95	160	813	620	427	81	40	839	91	13	171
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	34.5	16.2	5.0	13.0	11.0	22.7	3.2					
[mm]	876	411	128	330	280	576	80					

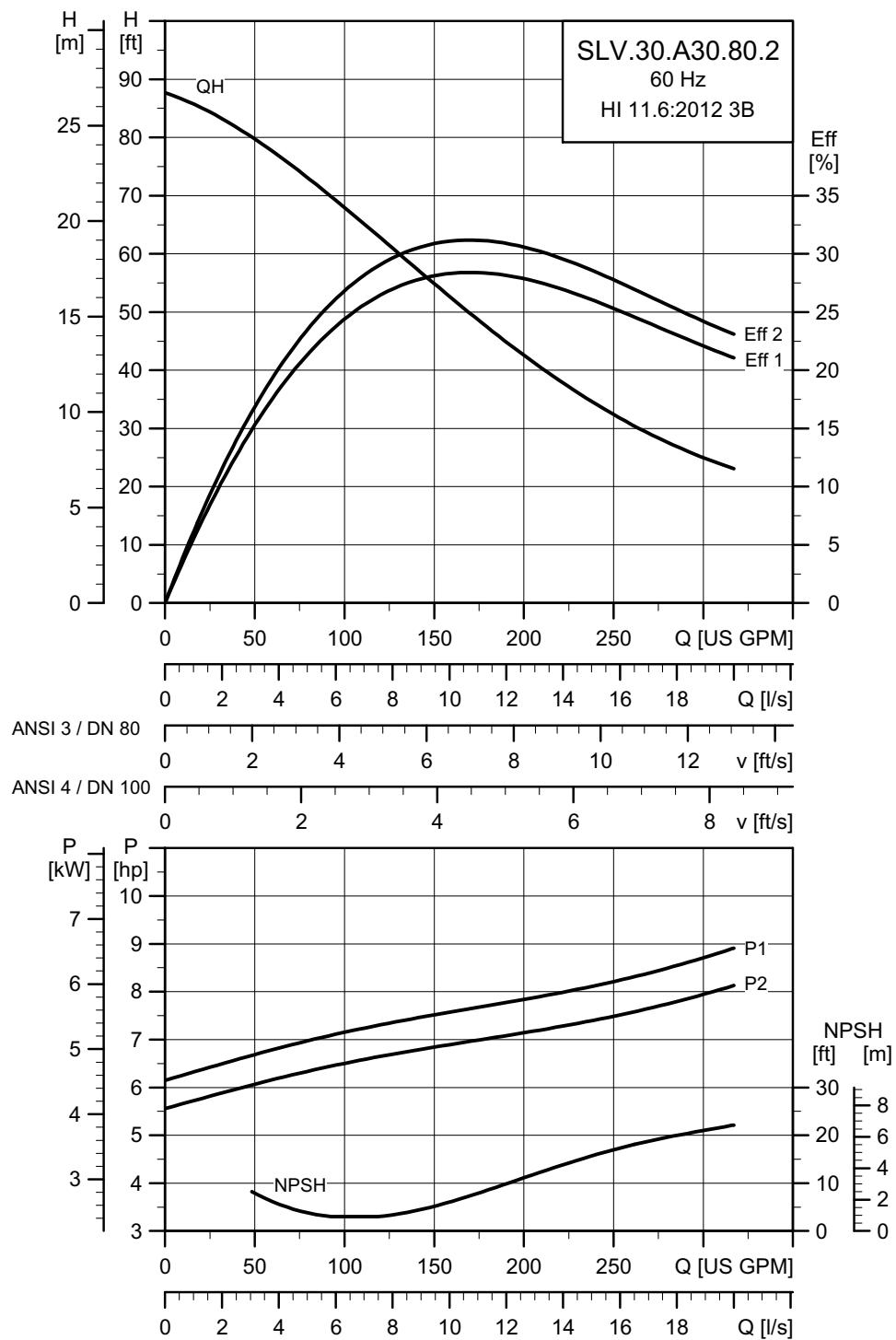
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor} [%]			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]			
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
61J	3 x 208-230 V D 460 V Y	6.5 (4.8)	5.5 (4.0)	4	3535	Y/D	17.3 - 19.0 7.8	133 64	85.3 85.3	87.4 87.4	88.2 88.2	0.53 0.53	0.66 0.66	0.74 0.74	1.15	0.318 (0.0134)	83
61L	3 x 575 V D Y/D	6.5 (4.8)	5.5 (4.0)	4	3535	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	0.318 (0.0134)	83

Pump data

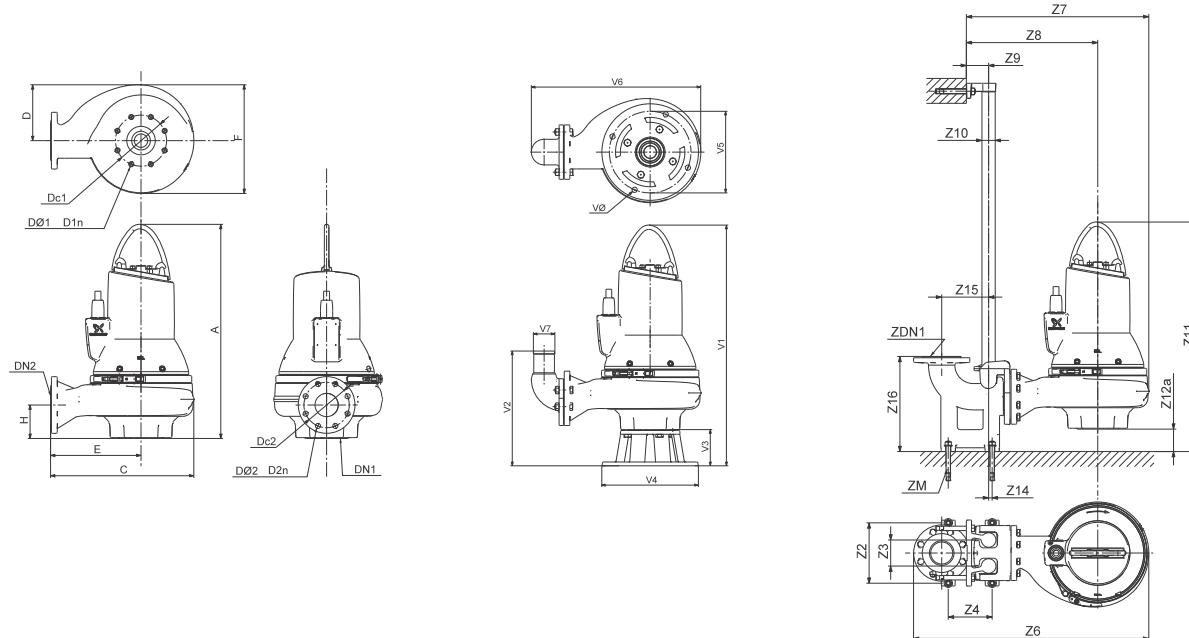
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.80.2---C



TM047261 1914

Dimensional sketches: SLV.30.A30.80.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight			
[in.]	29.6	18.0	7.9	10.9	15.0	4.1	3.0	6.0	3.0	6.0	8 x 0.75	301.5 lb			
[mm]	751	456	200	276	380	104	DN 80	153	8 x M16	DN 80	153	8 x 19.1	136.8 kg		
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	31.9	24.3	17.2	3.2	1.5	33.4	3.8	0.6	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	809	616	436	81	40	847	96	13	171	345	80	4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	34.7	16.0	5.0	13.0	11.0	22.5	3.2								
[mm]	879	406	128	330	280	572	80								

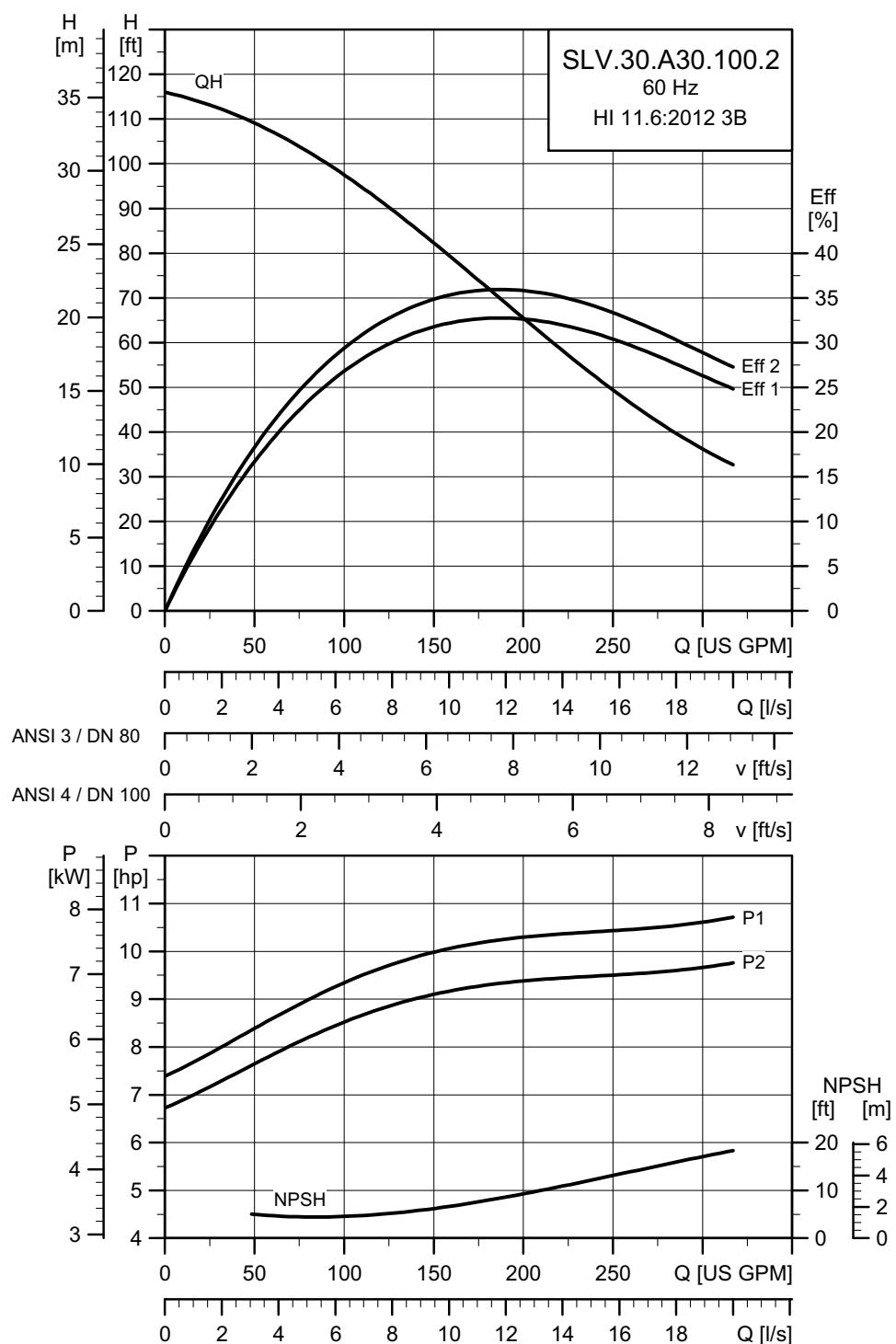
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]	
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	9.8 (7.2)	8.0 (6.0)	2	3549	DOL	22.9	21.9	215	89.5	89.7	90.2	0.70	0.79	0.83	1.15	0.318 (0.0134)	62.7 (85)
61R	3 x 230 V D/ 460 V Y	9.8 (7.2)	8.0 (6.0)	2	3549	Y/D	21.4	170	89.8	90.8	90.7	0.75	0.84	0.837	1.15	0.318 (0.0134)	36.9 (50)	
61L	3 x 575 V D Y/D	9.8 (7.2)	8.0 (6.0)	2	3549	Y/D	8.3	82	89.5	89.7	90.2	0.70	0.79	0.83	1.15	0.318 (0.0134)	62.7 (85)	

Pump data

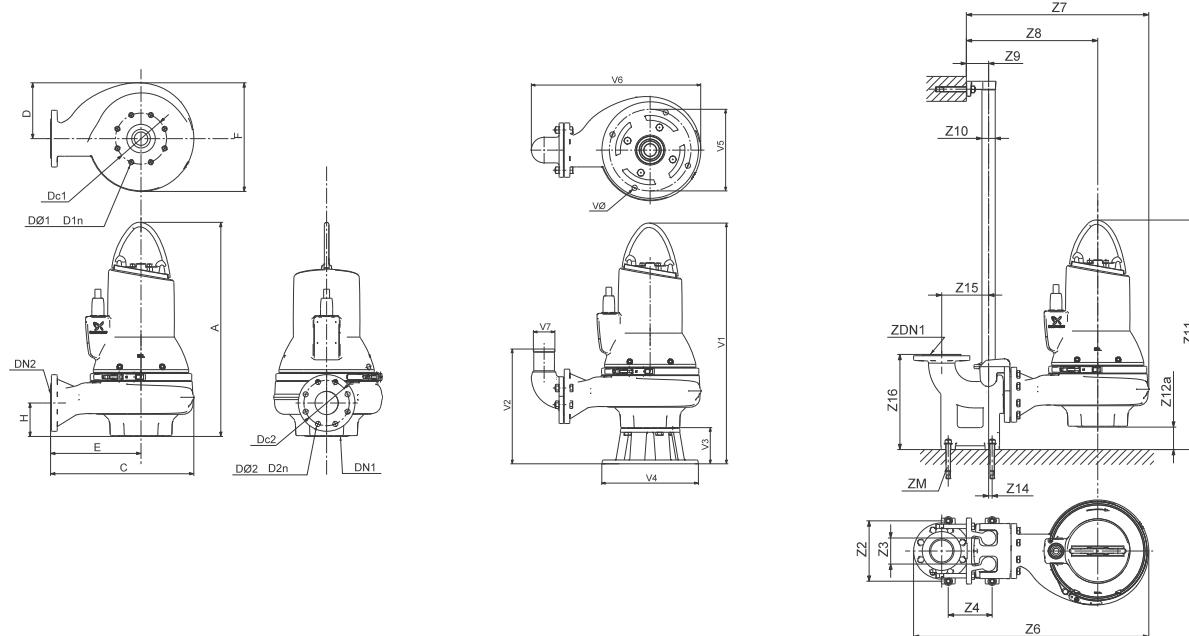
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.100.2---C



NL4700262204

Dimensional sketches: SLV.30.A30.100.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.6	18.0	7.9	10.9	15.0	4.1	3.0	6.0	8 x M16	3.0	6.0	8 x 0.75
[mm]	751	456	200	276	380	104	DN 80	153	8 x M16	DN 80	153	8 x 19.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	31.9	24.3	17.2	3.2	1.5	33.4	3.8	0.6	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	809	616	436	81	40	847	96	13	171	345	80	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ	
[in.]	34.7	16.0	5.0	13.0	11.0	22.5	3.2	0.7
[mm]	879	406	128	330	280	572	80	18

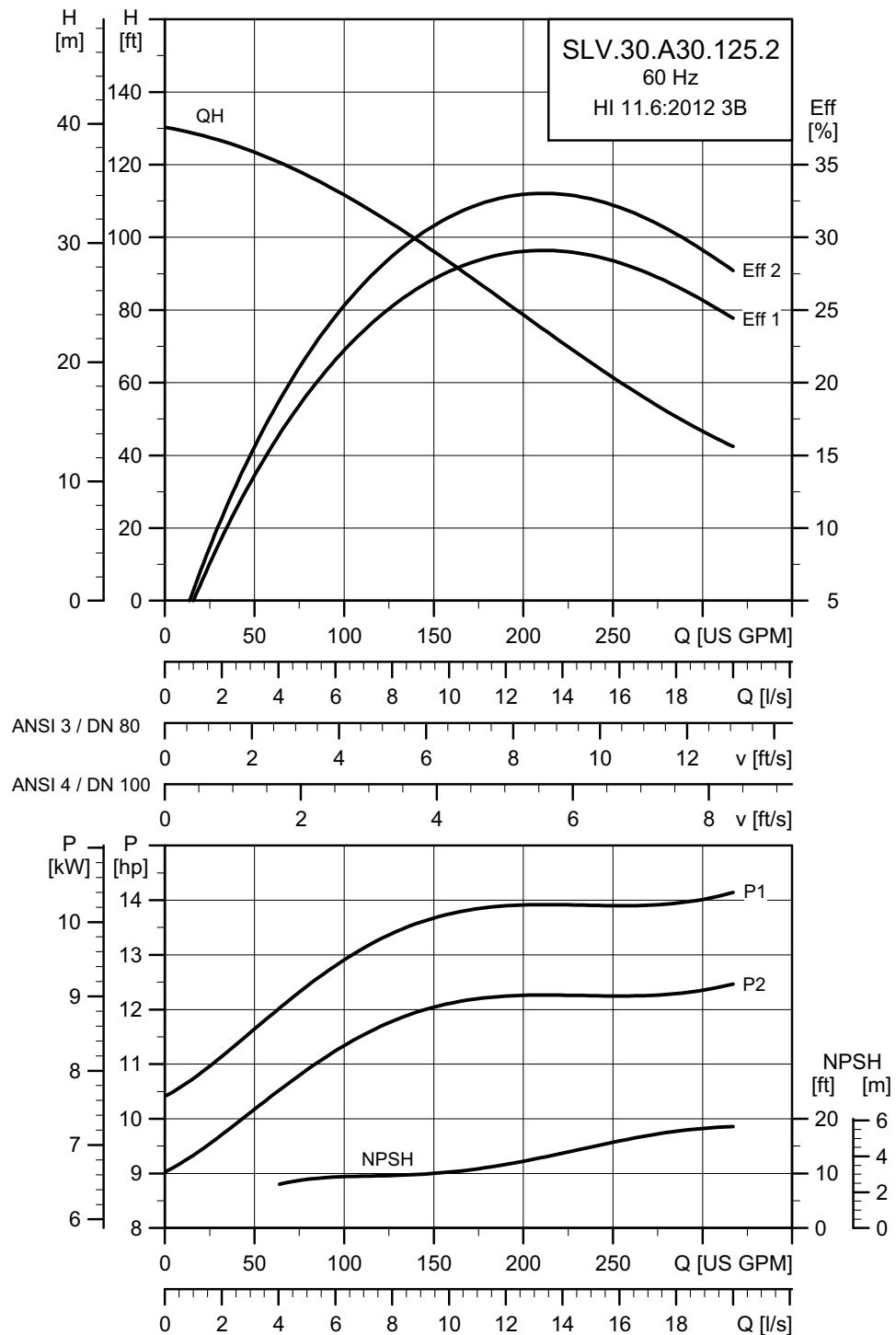
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]		P2 [hp (kW)]		No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
		[A]	[A]	1/2	3/4				[A]	[A]	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	11.8 (8.7)	10.0 (7.5)	2	3533	DOL	27.6 - 26.3	215	90.3	90.8	90.1	0.74	0.82	0.86	1.15	0.346 (0.0146)	62.7 (85)		
61R	3 x 230 V D/ 460 V Y	12.0 (8.8)	10.0 (7.5)	2	3533	Y/D	26.5	170	90.4	90.6	89.6	0.80	0.86	0.89	1.15	0.346 (0.0146)	36.9 (50)		
61L	3 x 575 V D Y/D	12.0 (8.8)	10.0 (7.5)	2	3533	Y/D	10.0	82	90.3	90.8	90.1	0.74	0.82	0.86	1.15	0.346 (0.0146)	62.7 (85)		

Pump data

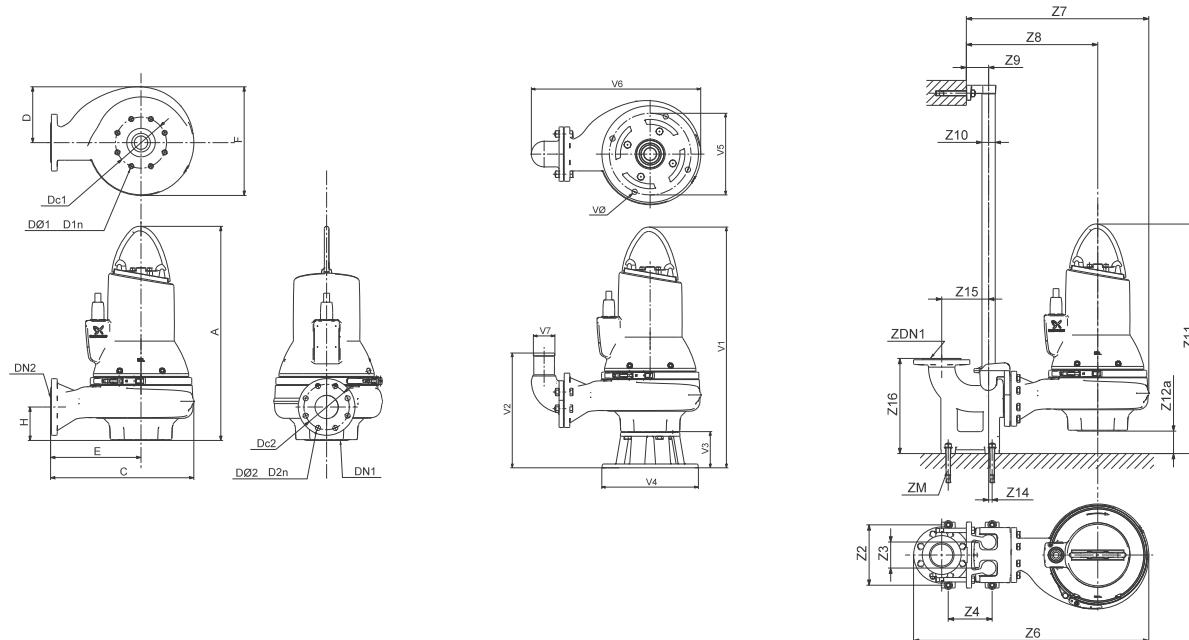
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.125.2---C



TM04 72931914

Dimensional sketches: SLV.30.A30.125.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight			
[in.]	30.8	19.3	8.5	11.5	16.3	4.8	3.0	6.0	8 x M16	3.0	6.0	8 x 0.75	387.9 lb		
[mm]	782	489	217	293	413	123	DN 80	153	8 x M16	DN 80	153	8 x 19.1	176 kg		
<hr/>															
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	33.2	25.6	17.8	3.2	1.5	33.9	3.0	0.6	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	842	649	453	81	40	859	77	13	171	345	80	4 x M16
<hr/>															
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	35.9	16.8	5.0	13.0	11.0	23.8	3.2								
[mm]	910	425	128	330	280	605	80								

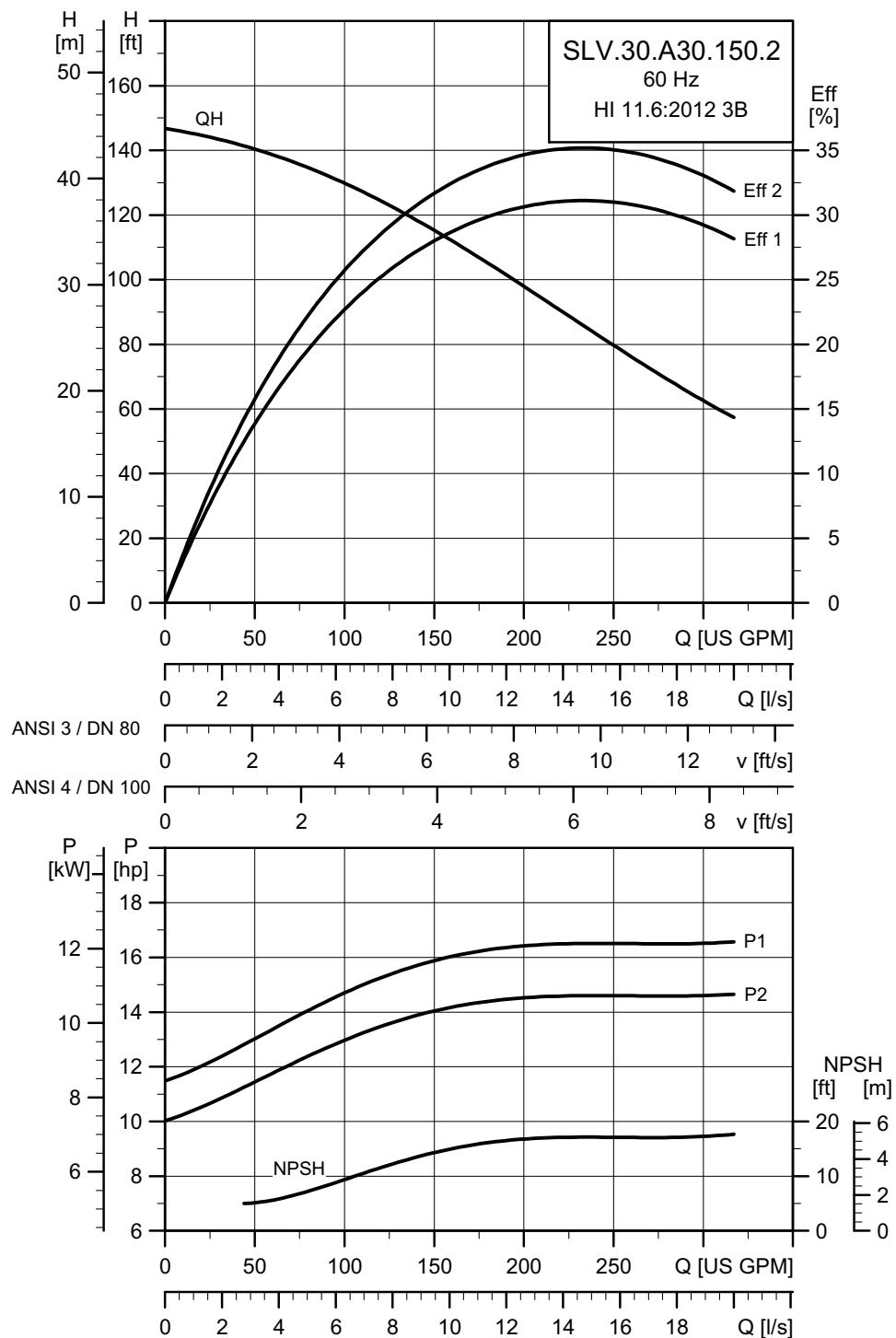
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor [%]}		Cos φ		SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	14.4 (10.6)	12.5 (9.2)	2	3551	DOL	31.7 - 31.7	308	91.6	91.6	91.7	0.65	0.78	0.82	1.15	0.323 (0.0136)	81.1 (110)
61R	3 x 230 V D/ 460 V Y	14.4 (10.6)	12.5 (9.2)	2	3551	Y/D	32.0	240	89.5	90.8	90.6	0.78	0.87	0.85	1.15	0.323 (0.0136)	81.1 (110)
61L	3 x 575 V D Y/D	14.4 (10.6)	12.5 (9.2)	2	3551	Y/D	11.5	118	91.6	91.6	91.7	0.65	0.78	0.82	1.15	0.323 (0.0136)	81.1 (110)

Pump data

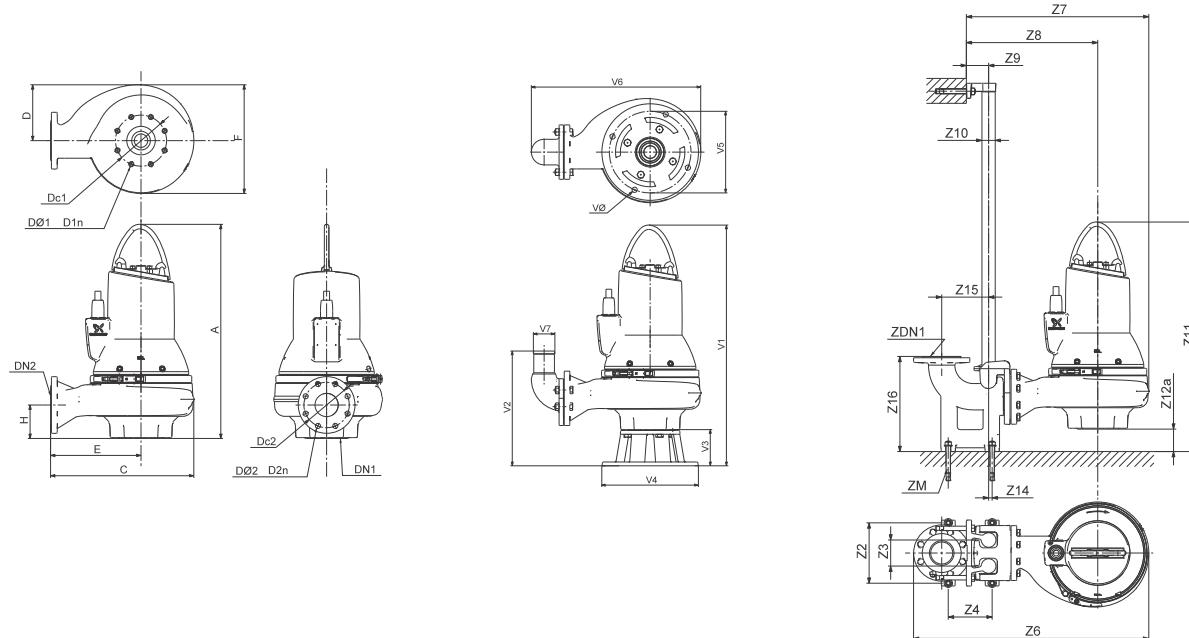
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A30.150.2---C



TM0474004 1914

Dimensional sketches: SLV.30.A30.150.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight			
[in.]	30.8	19.3	8.5	11.5	16.3	4.8	3.0	6.0	3.0	6.0	8 x 0.75	387.2 lb			
[mm]	782	489	217	293	413	123	DN 80	153	DN 80	153	8 x 19.1	175.7 kg			
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	8.7	3.7	6.3	33.2	25.6	17.8	3.2	1.5	33.9	3.0	0.6	6.7	13.6	3.0	4 x M16
[mm]	220	95	160	842	649	453	81	40	859	77	13	171	345	80	4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	35.9	16.8	5.0	13.0	11.0	23.8	3.2								
[mm]	910	425	128	330	280	605	80								

Electrical data

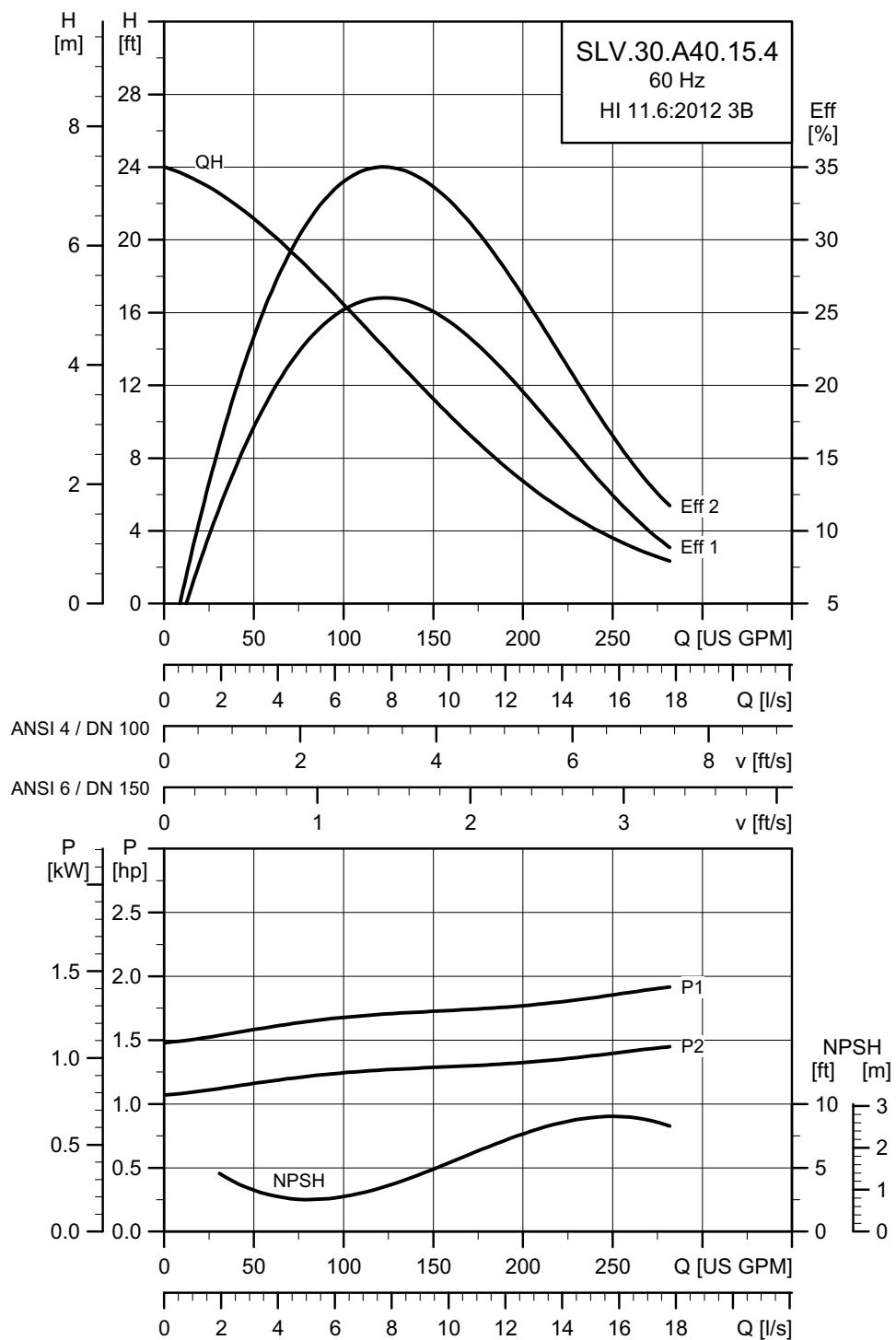
Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N I _{start} η _{motor} [%] Cos φ						SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	17.0 (12.5)	15.0 (11.0)	2	3551	DOL	40.3 - 38.7	308	91.6	91.8	91.6	0.73	0.82	0.86	1.15	0.418 (0.0176)	81.1 (110)
61R	3 x 230 V D/ 460 V Y	17.1 (12.6)	15.0 (11.0)	2	3551	Y/D	22.0	240	91.2	91.2	90.7	0.77	0.84	0.87	1.15	0.418 (0.0176)	45.7 (62)
61L	3 x 575 V D Y/D	17.1 (12.6)	15.0 (11.0)	2	3551	Y/D	14.6	118	91.6	91.8	91.6	0.73	0.82	0.86	1.15	0.418 (0.0176)	81.1 (110)

Pump data

Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

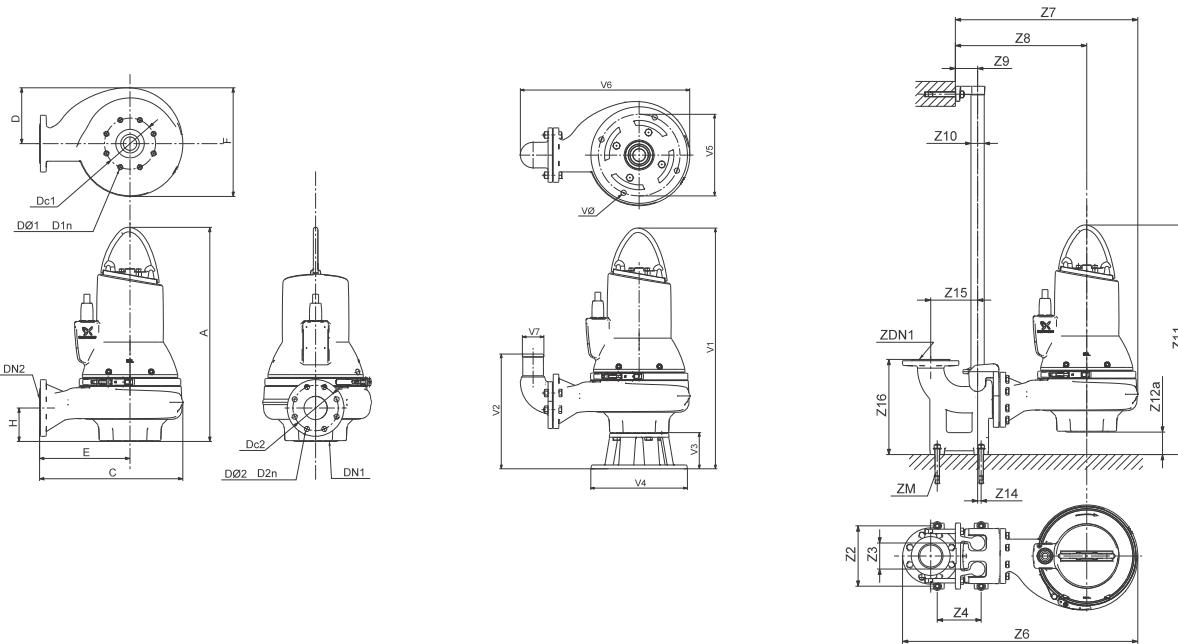
SLV.30.A40

Performance curves: SLV.30.A40.15.4.--.C



TM04 7260 1914

Dimensional sketches: SLV.30.A40.15.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.0	16.0	6.7	9.5	13.3	4.3	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	711	407	171	241	337	109	DN 80	153	8 x M16	DN 100	191	8 x 19.1
												90.6 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	33.5	24.6	18.0	4.3	2.0	33.2	5.2	0	8.7
[mm]	260	110	220	850	624	458	110	50	842	131	0	220
												4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	33.1	15.0	5.0	13.0	11.0	22.4	3.9					0.7
[mm]	839	381	128	330	280	570	100					18

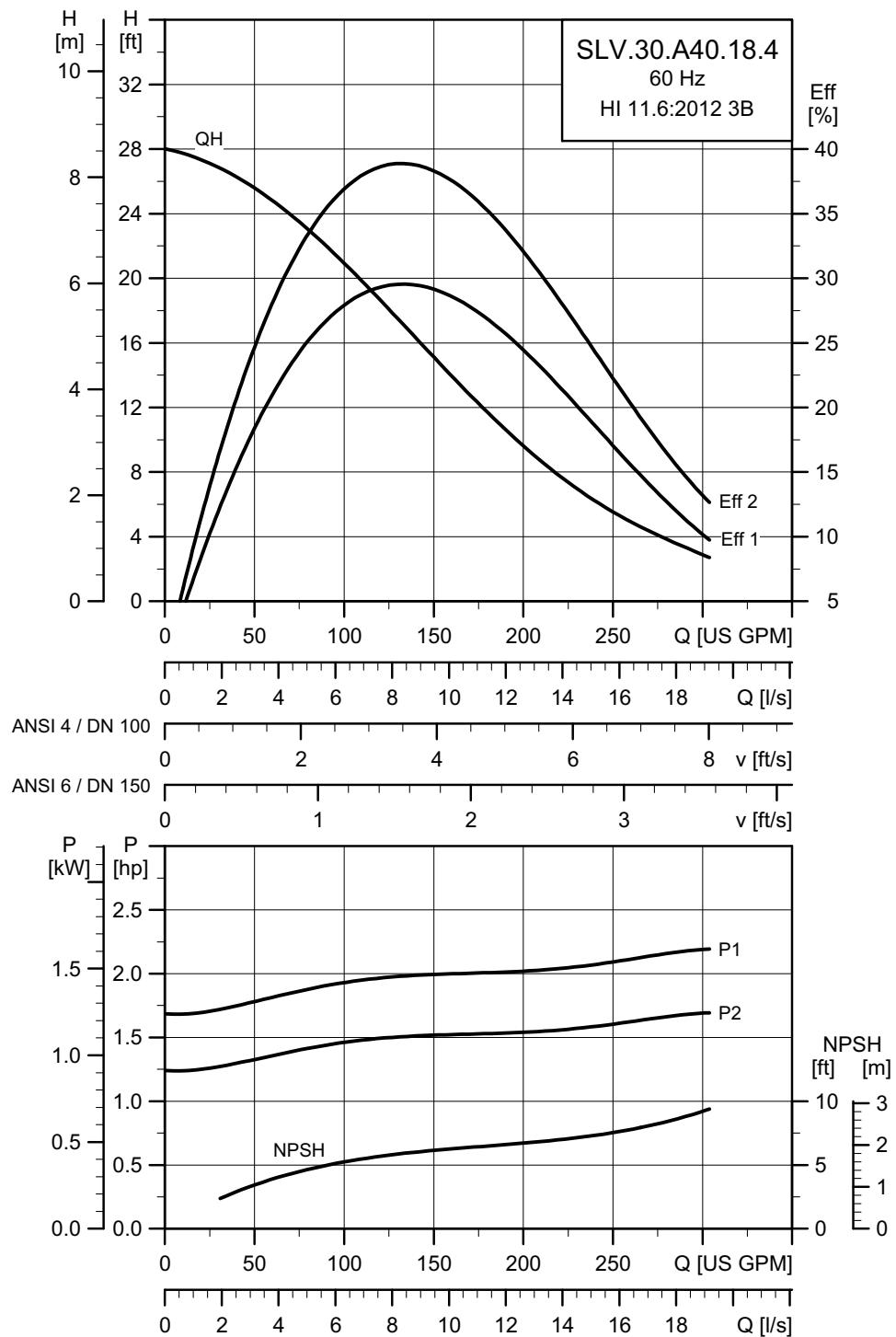
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V DOL	2.0 (1.5)	1.5 (1.1)	4	1754	DOL	5.4 - 5.9	33	81.0	84.2	84.6	0.52	0.65	0.72	1.15	2.176 (0.0917)	17.7 (24)		
61R	3 x 230 V D/ 460 V Y	2.0 (1.5)	1.5 (1.1)	4	1754	Y/D	5.1	28	82.2	84.3	84.0	0.57	0.70	0.76	1.15	2.176 (0.0917)	14.8 (20)		
60L	3 x 575 V D DOL	2.0 (1.5)	1.5 (1.1)	4	1754	DOL	2.0	13	81.0	84.2	84.6	0.52	0.65	0.72	1.15	2.176 (0.0917)	17.7 (24)		
61L	3 x 575 V D Y/D	2.0 (1.5)	1.5 (1.1)	4	1754	Y/D	2.0	13	81.0	84.2	84.6	0.52	0.65	0.72	1.15	2.176 (0.0917)	17.7 (24)		

Pump data

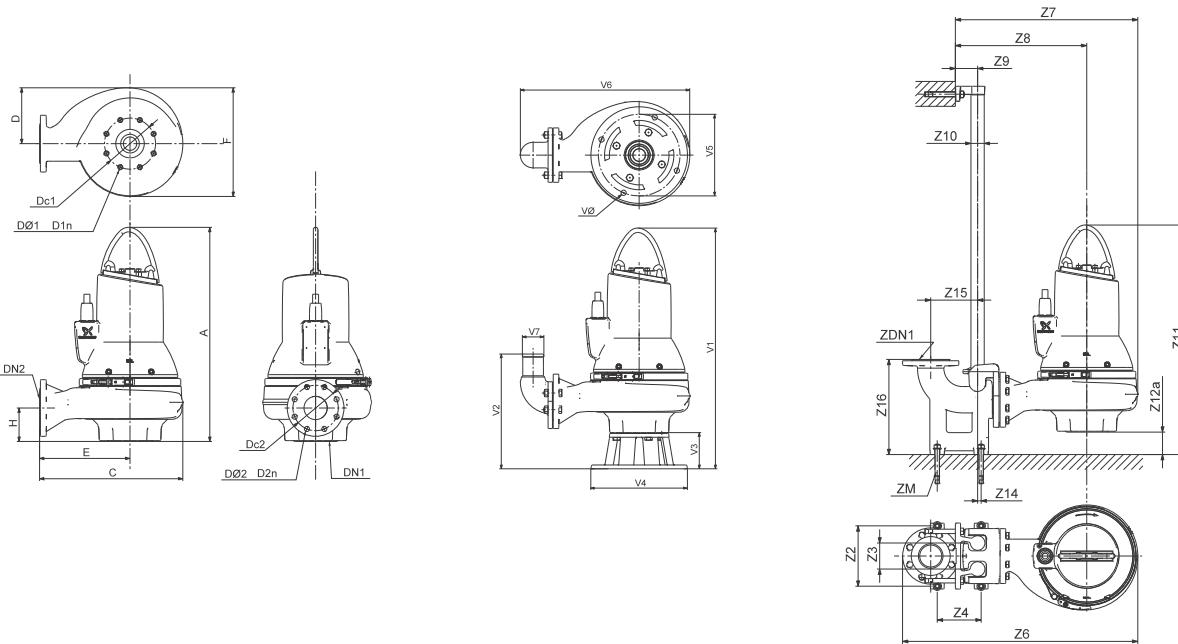
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.18.4---C



TM047Z661914

Dimensional sketches: SLV.30.A40.18.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.0	16.0	6.7	9.5	13.3	4.3	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	711	407	171	241	337	109	DN 80	153	8 x M16	DN 100	191	8 x 19.1
<hr/>												
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	33.5	24.6	18.0	4.3	2.0	33.2	5.2	0	8.7
[mm]	260	110	220	850	624	458	110	50	842	131	0	220
<hr/>												
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	33.1	15.0	5.0	13.0	11.0	22.4	3.9	0.7				
[mm]	839	381	128	330	280	570	100	18				

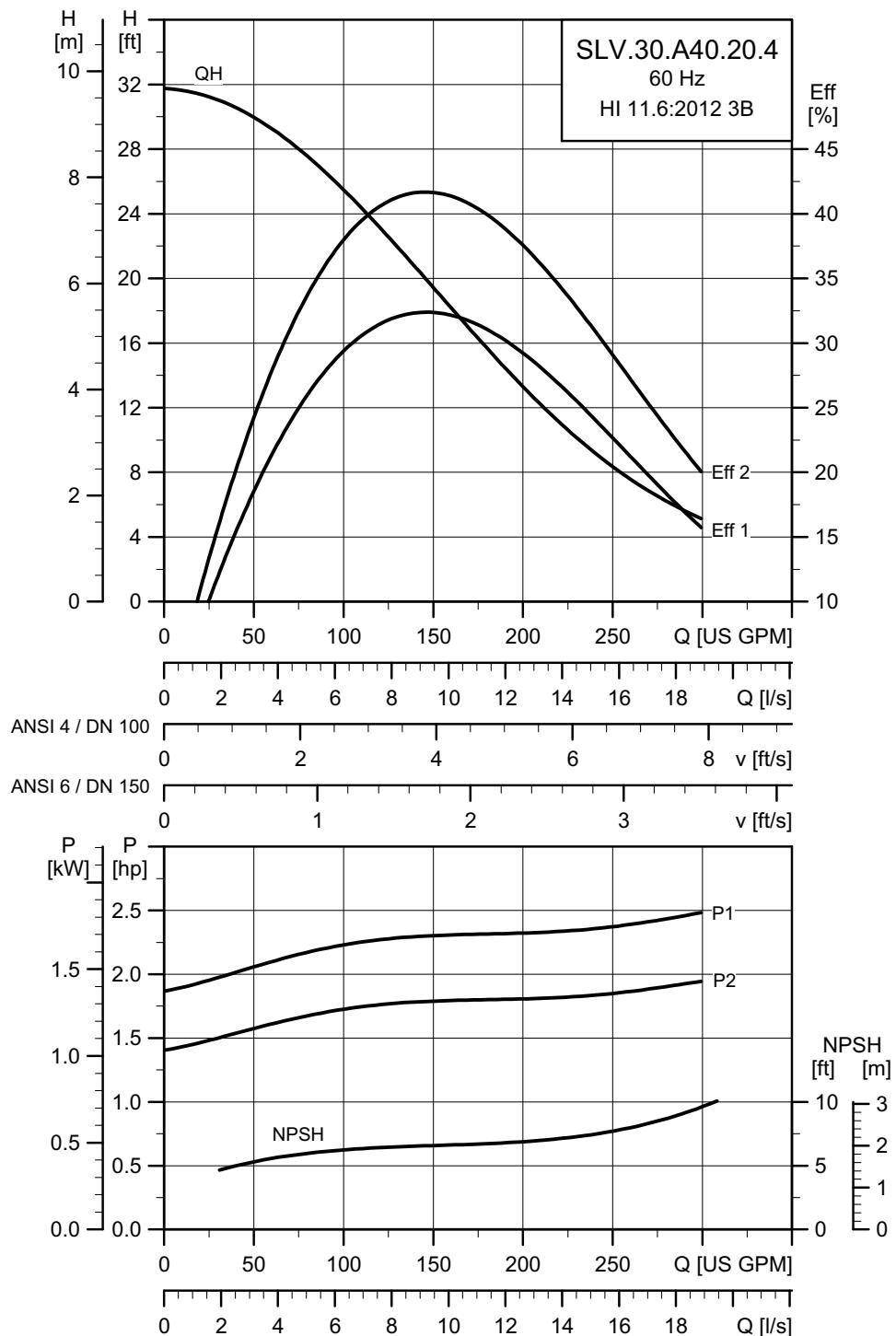
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V DOL	2.4 (1.8)	1.8 (1.3)	4	1753	DOL	7.0 - 7.7	53	82.0	85.2	86.0	0.30	0.39	0.46	1.15	2.485 (0.1047)	22.1 (30)
61R	3 x 230 V D/ 460 V Y	2.4 (1.8)	1.8 (1.3)	4	1753	Y/D	6.0	40	82.8	85.3	85.8	0.52	0.65	0.72	1.15	2.485 (0.1047)	18.4 (25)
60L	3 x 575 V D DOL	2.4 (1.8)	1.8 (1.3)	4	1753	DOL	2.5	20	82.0	85.2	86.0	0.30	0.39	0.46	1.15	2.485 (0.1047)	22.1 (30)
61L	3 x 575 V D Y/D	2.4 (1.8)	1.8 (1.3)	4	1753	Y/D	2.5	20	82.0	85.2	86.0	0.30	0.39	0.46	1.15	2.485 (0.1047)	22.1 (30)

Pump data

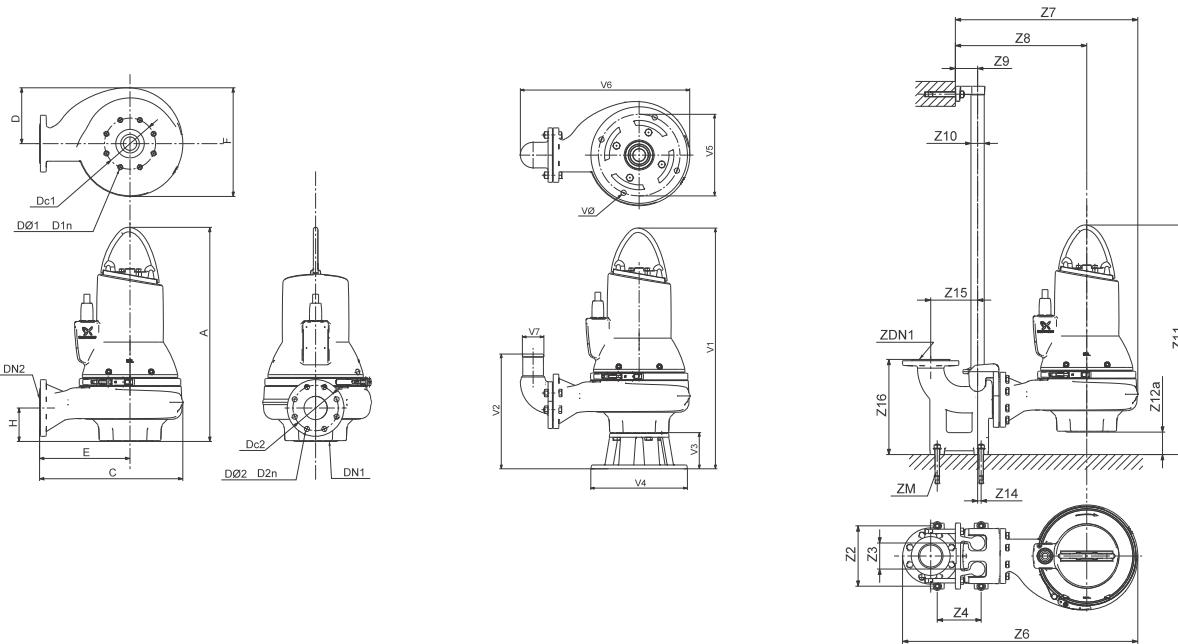
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.20.4---C



TNO472871914

Dimensional sketches: SLV.30.A40.20.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.0	16.0	6.7	9.5	13.3	4.3	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	711	407	171	241	337	109	DN 80	153	8 x M16	DN 100	191	8 x 19.1
												94.2 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	33.5	24.6	18.0	4.3	2.0	33.2	5.2	0	8.7
[mm]	260	110	220	850	624	458	110	50	842	131	0	220
												4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	33.1	15.00	5.0	13.0	11.0	22.4	3.9					0.7
[mm]	839	381	128	330	280	570	100					18

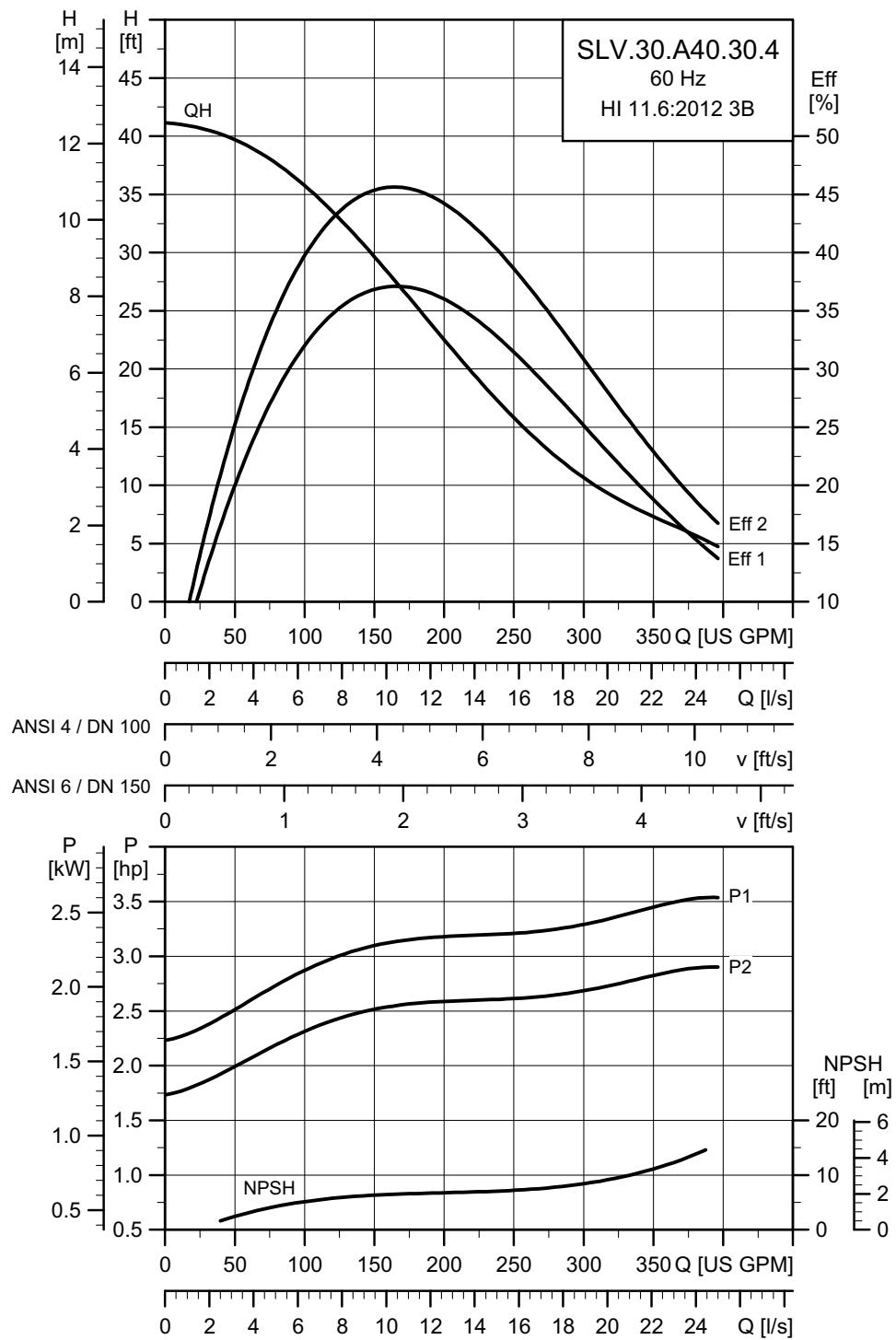
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1				
60J	3 x 208-230 V DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	7.1 - 7.9	53	83.3	85.7	86.0	0.51	0.63	0.72	1.15	2.485 (0.1047)	22.1 (30)		
61R	3 x 230 V D/ 460 V Y	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	6.55	40	84.2	85.7	85.4	0.56	0.69	0.76	1.15	2.485 (0.1047)	18.4 (25)		
60L	3 x 575 V D DOL	2.6 (1.9)	2.0 (1.5)	4	1753	DOL	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	2.485 (0.1047)	22.1 (30)		
61L	3 x 575 V D Y/D	2.6 (1.9)	2.0 (1.5)	4	1753	Y/D	2.6	20	83.3	85.7	86.0	0.51	0.63	0.72	1.15	2.485 (0.1047)	22.1 (30)		

Pump data

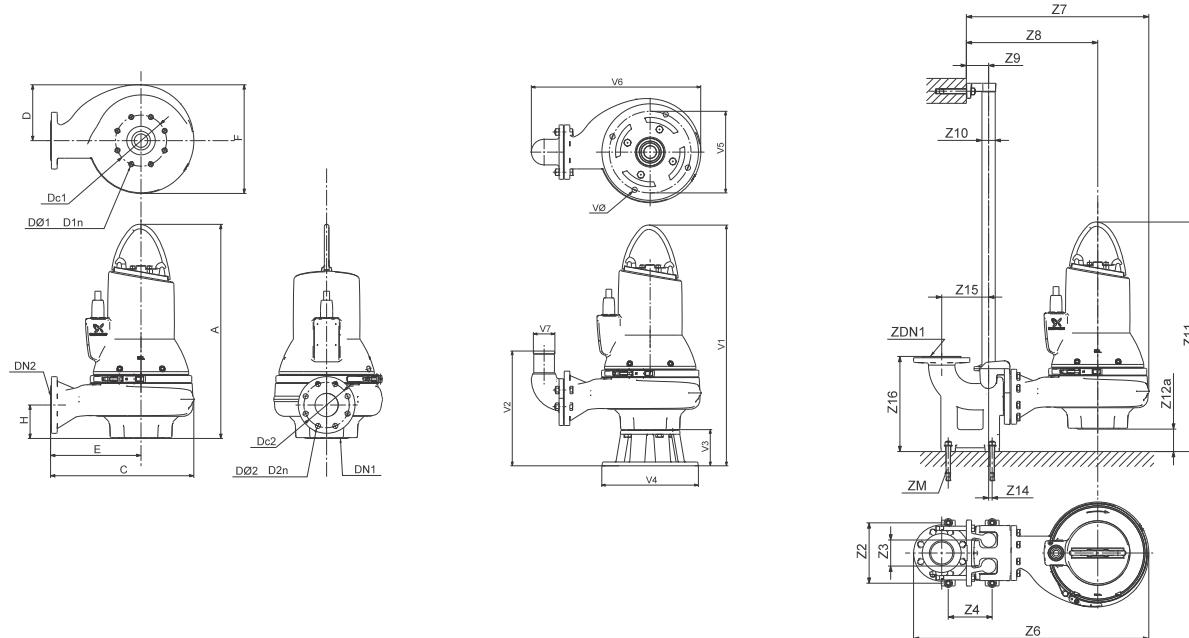
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.30.4---C



TM04 7268 1614

Dimensional sketches: SLV.30.A40.30.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	28.0	16.0	6.7	9.5	13.3	4.3	3.0	6.0	8 x M16	4.0	7.5	223.9 lb
[mm]	711	407	171	241	337	109	DN 80	153	8 x M16	DN 100	191	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	33.5	24.6	18.0	4.3	2.0	34	5.2	0	8.7
[mm]	260	110	220	850	624	458	110	50	842	131	0	220
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	VØ
[in.]	33.1	15.0	5.0	13.0	11.0	22.4	3.9	0.7	100	100	100	18
[mm]	839	381	128	330	280	570	100	18	100	100	100	18

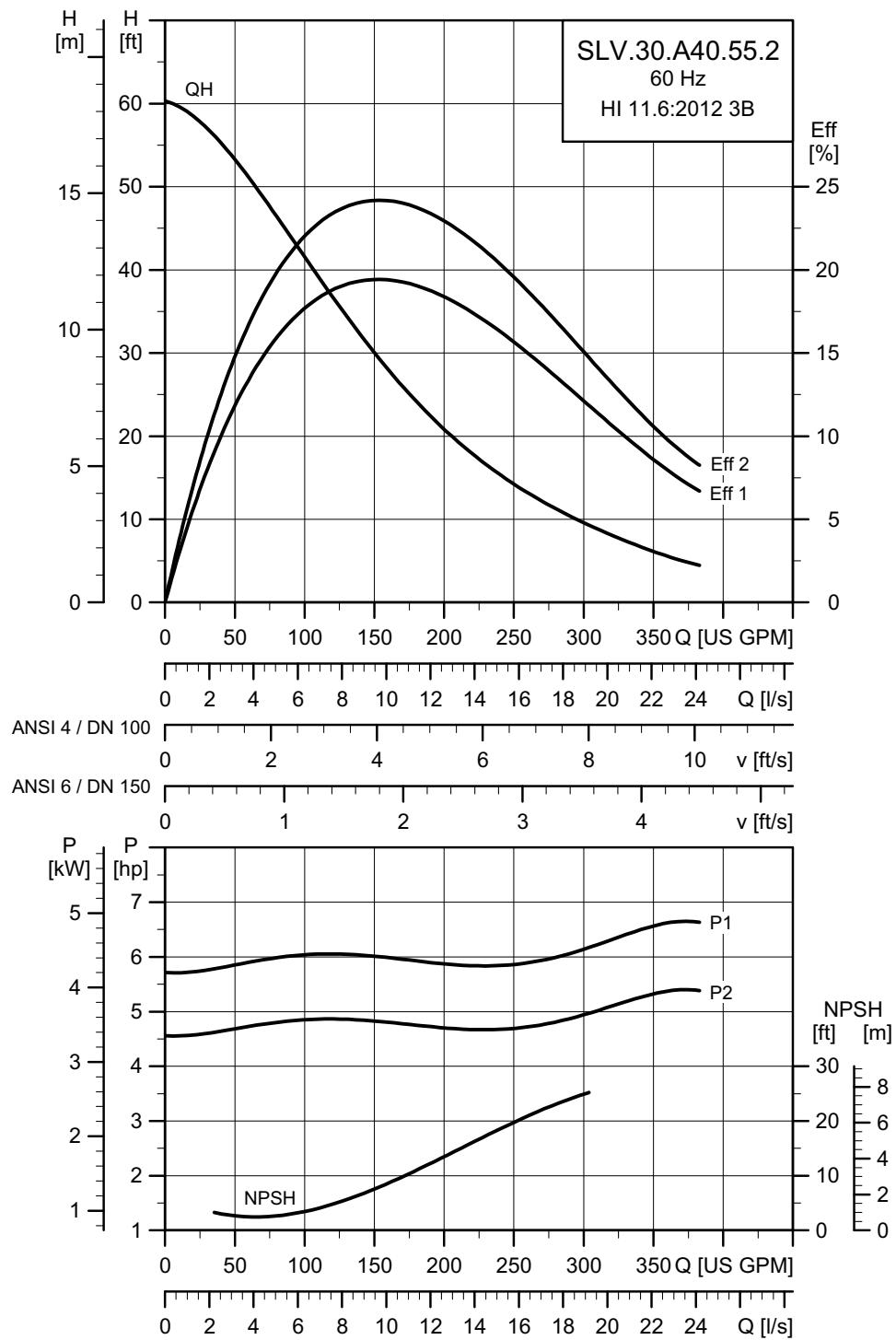
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	SF						Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]			
							I _N [A]	I _{start} [A]	η _{motor} [%]	cos φ	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	3.7 (2.7)	3.0 (2.2)	4	1763	DOL	9.8 - 10.6	70	84.7	86.6	87.0	0.59	0.70	0.76	1.15	1.369 (0.0577)	26.6 (36)
61R	3 x 230 V D/ 460 V Y	3.7 (2.7)	3.0 (2.2)	4	1763	Y/D	8.95	40	85.5	86.6	86.3	0.65	0.75	0.80	1.15	1.369 (0.0577)	26.6 (36)
61L	3 x 575 V D Y/D	3.7 (2.7)	3.0 (2.2)	4	1763	Y/D	3.5	27	84.7	86.6	87.0	0.59	0.70	0.76	1.15	1.369 (0.0577)	26.6 (36)

Pump data

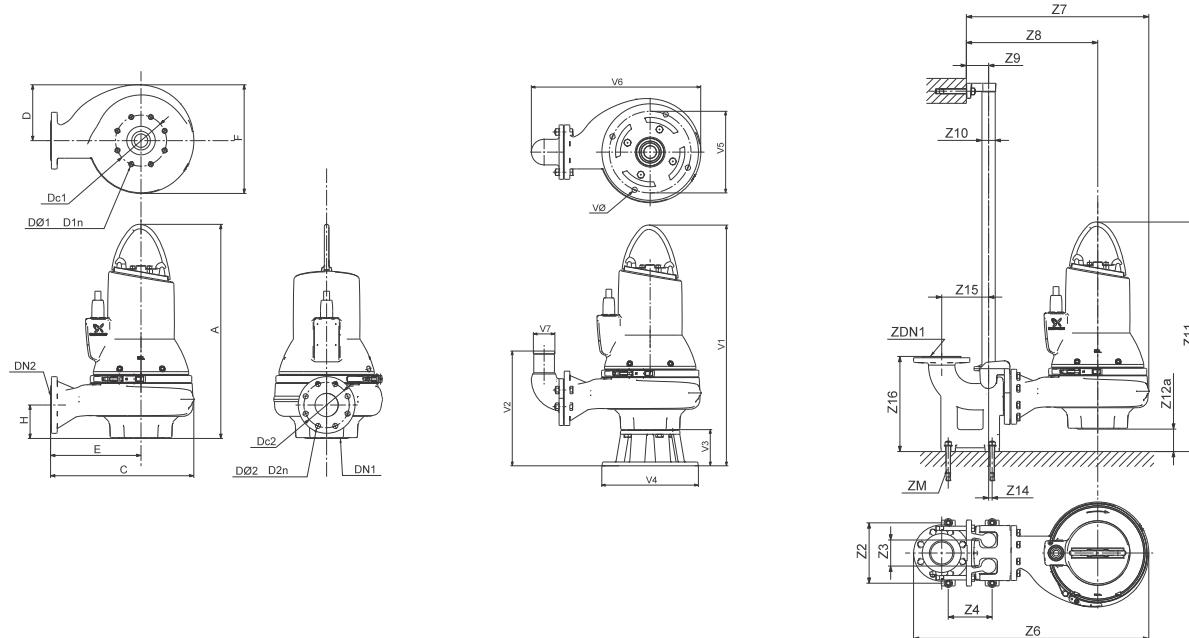
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour		Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
			10	20					
SuperVortex	3 (80)	10	20	IP68	H	A	A	104 (40)	4-14

Performance curves: SLV.30.A40.55.2---C



TM400-2691914

Dimensional sketches: SLV.30.A40.55.2---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.3	18.4	7.9	11.3	15.0	4.1	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	744	466	200	286	380	104	DN 80	153	8 x M16	DN 100	191	8 x 19.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.3	4.3	8.7	35.8	26.9	19.8	4.3	2.0	34.7	5.4	0	8.7	16.3	4.0	4 x M16
[mm]	260	110	220	909	683	503	110	50	880	136	0	220	413	100	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ	
[in.]	34.4	14.8	5.0	13.0	11.0	24.8	3.9	0.7
[mm]	872	376	128	330	280	629	100	18

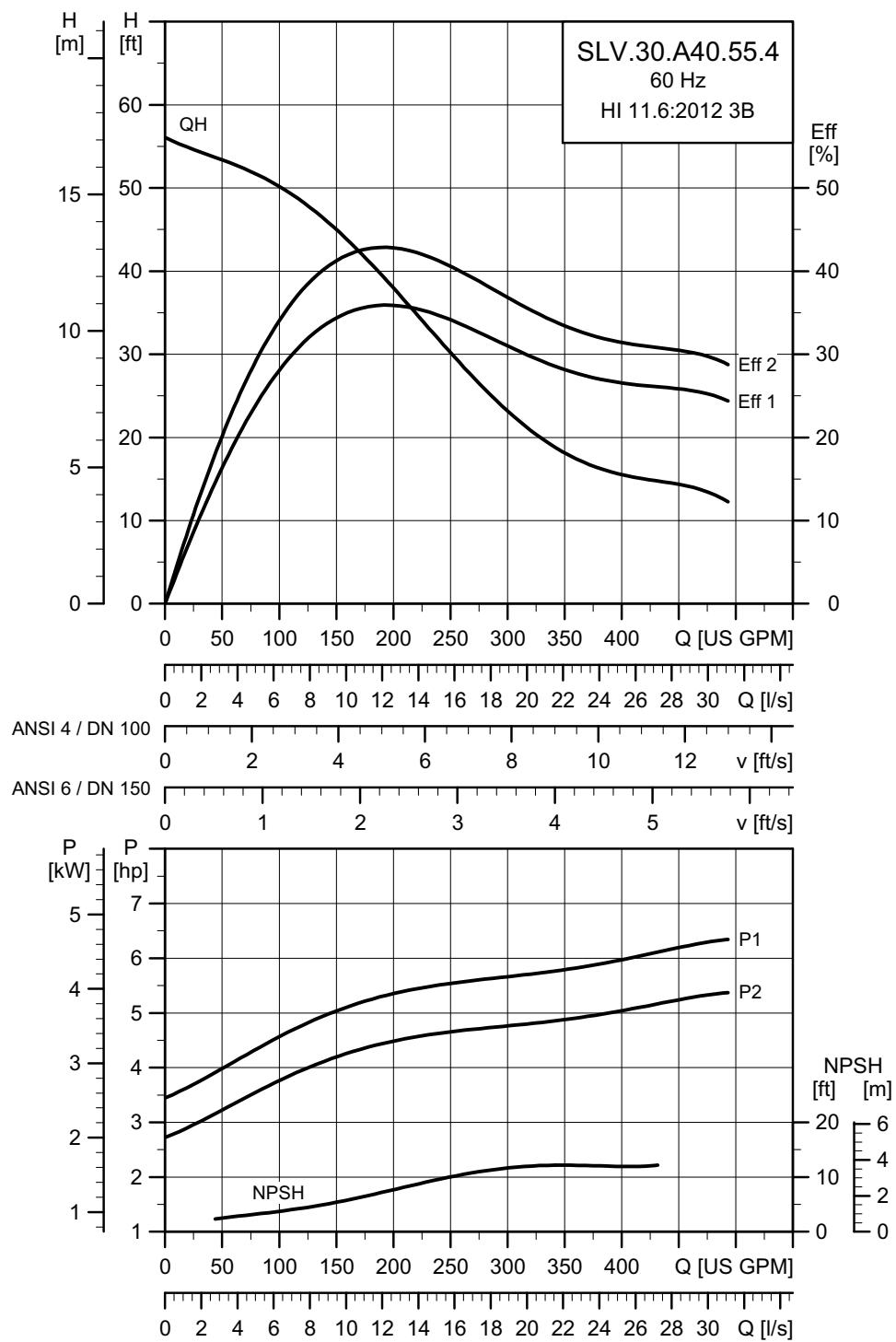
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
61J	3 x 208-230 V D	6.7	5.5	2	1767	Y/D	15.2 - 14.7	166	82.0	85.0	86.0	0.76	0.84	0.88	1.15	3.097 (0.1305)	56
	460 V Y	(5.0)	(4.0)				6.8	79	82.0	85.0	86.0	0.76	0.84	0.88			
61L	3 x 575 V D Y/D	6.8	5.5	2	1767	Y/D	5.5	64	82.0	85.0	86.0	0.76	0.84	0.88	1.15	3.097 (0.1305)	56

Pump data

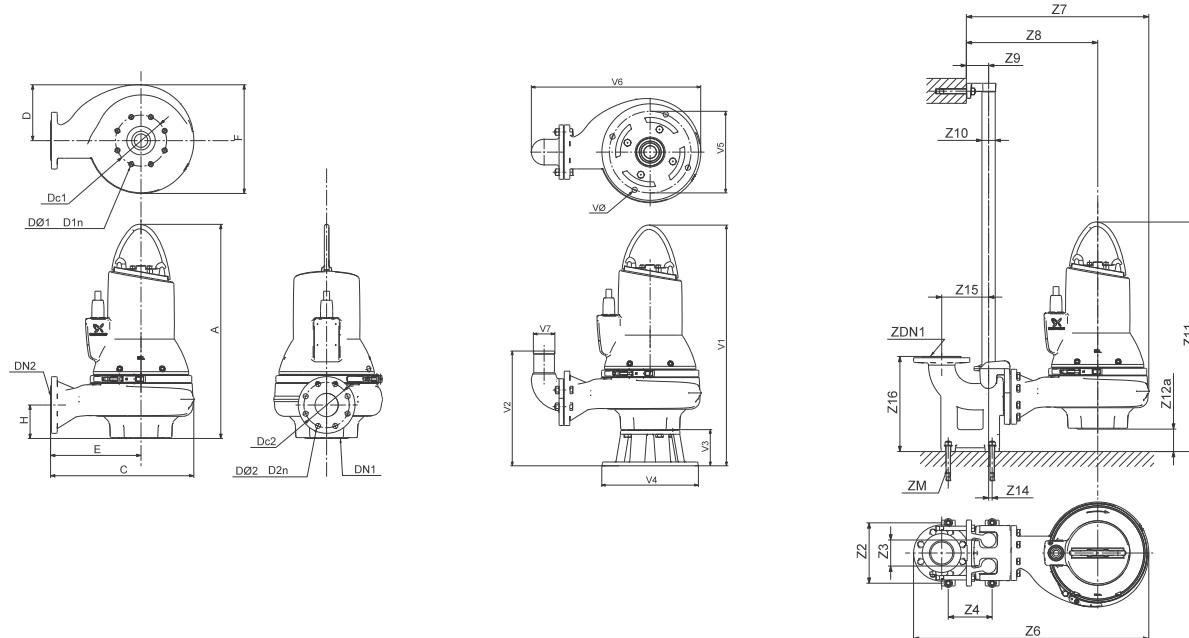
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.55.4---C



TMO42270 1914

Dimensional sketches: SLV.30.A40.55.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.5	18.0	7.9	10.5	15.4	4.3	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	748	458	200	267	391	109	DN 80	153	8 x M16	DN 100	191	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	35.5	26.6	19.1	4.3	2.0	34.7	5.2	0	8.7
[mm]	260	110	220	901	675	484	110	50	879	131	0	220
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13
[in.]	34.5	145.0	5.0	13.0	11.0	24.4	3.9	0.7	0.7	0.7	0.7	0.7
[mm]	876	381	128	330	280	621	100	18	18	18	18	18

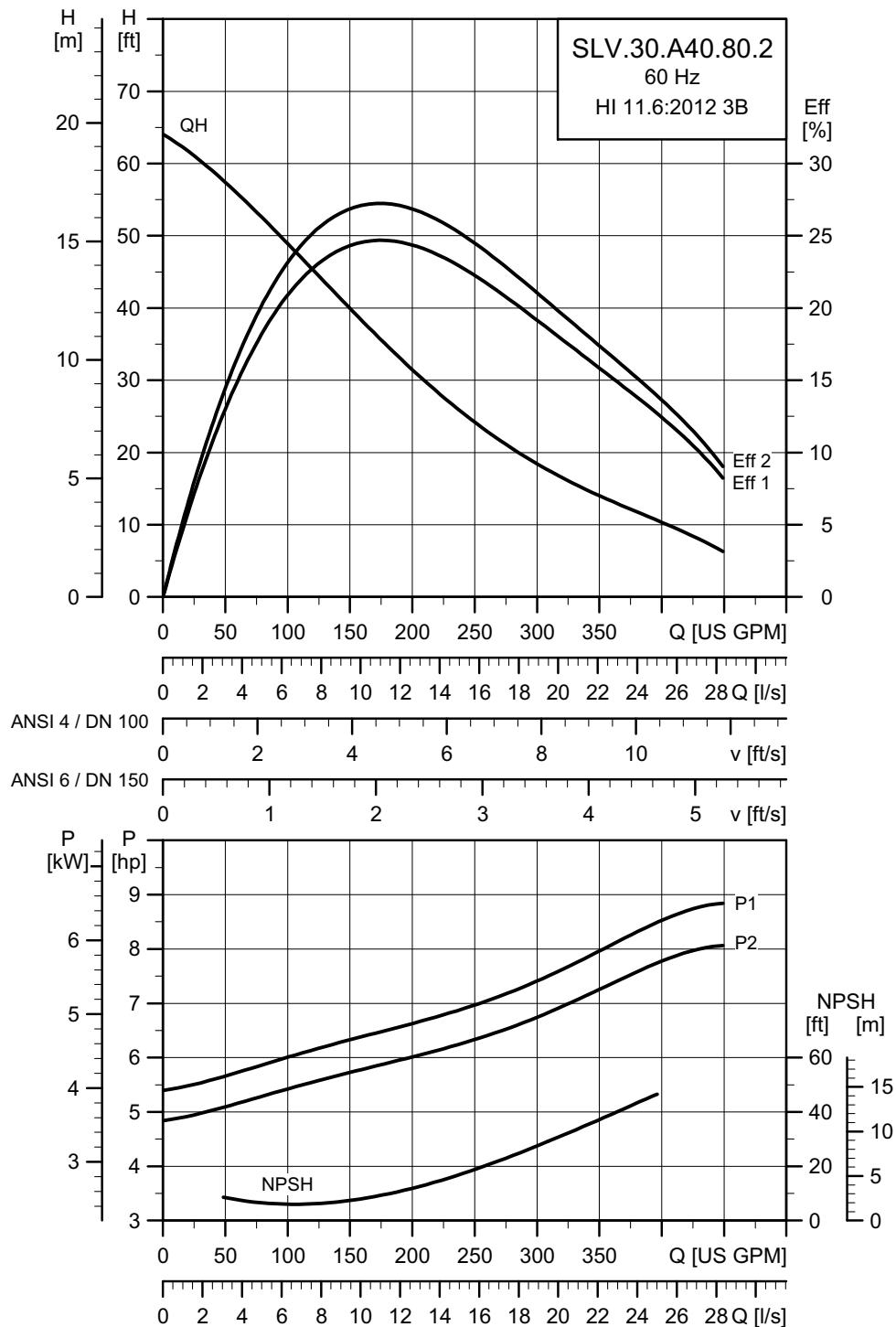
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D	6.5 (4.8)	5.5 (4.0)	4	3535	DOL	17.3 - 19.0	133	85.3	87.4	88.2	0.53	0.66	0.74	1.15	0.346 (0.0146)	61.2 (83)
61R	3 x 230 V D/ 460 V Y	6.5 (4.8)	5.5 (4.0)	4	3535	Y/D	16.2	120	86.2	87.8	87.8	0.59	0.70	0.78	1.15	0.346 (0.0146)	48.7 (66)
61L	3 x 575 V D Y/D	6.5 (4.8)	5.5 (4.0)	4	3535	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	0.346 (0.0146)	61.2 (83)

Pump data

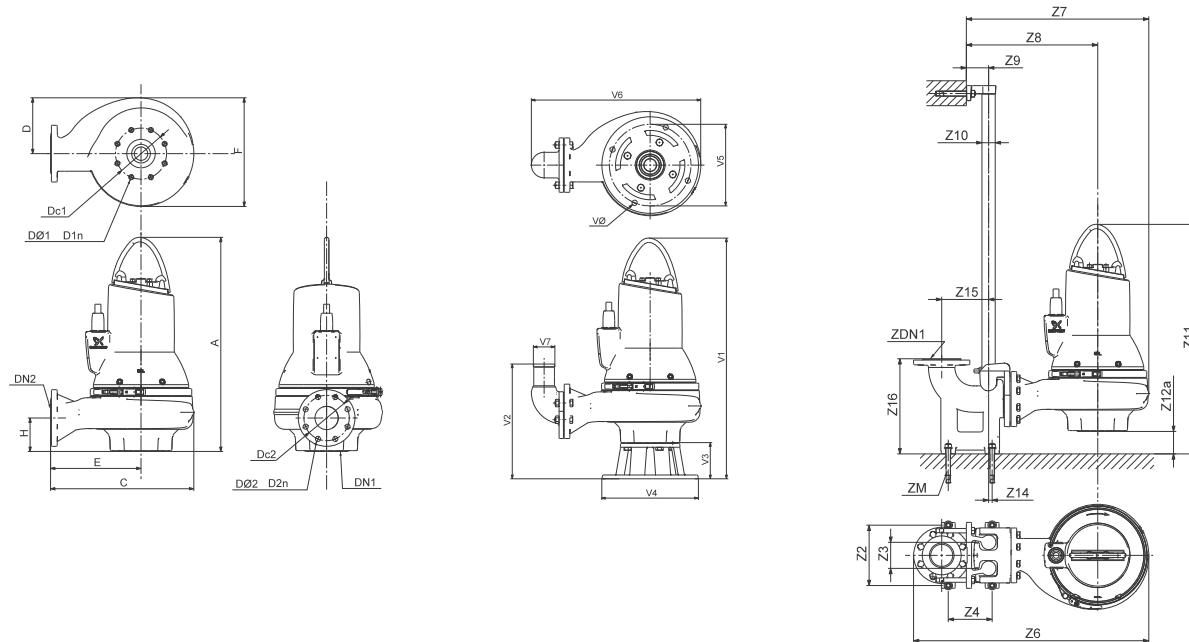
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.80.2---C



TNO47271 1914

Dimensional sketches: SLV.30.A40.80.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.6	18.4	7.9	11.3	15.0	4.1	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	751	466	200	286	380	104	DN 80	153	8 x M16	DN 100	191	8 x 19.1
												138.9 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	35.8	26.9	19.8	4.3	2.0	35.0	5.4	0	8.7
[mm]	260	110	220	909	683	503	110	50	887	136	0	220
												4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	34.7	14.8	5.0	13.0	11.0	24.8	3.9					0.7
[mm]	879	376	128	330	280	629	100					18

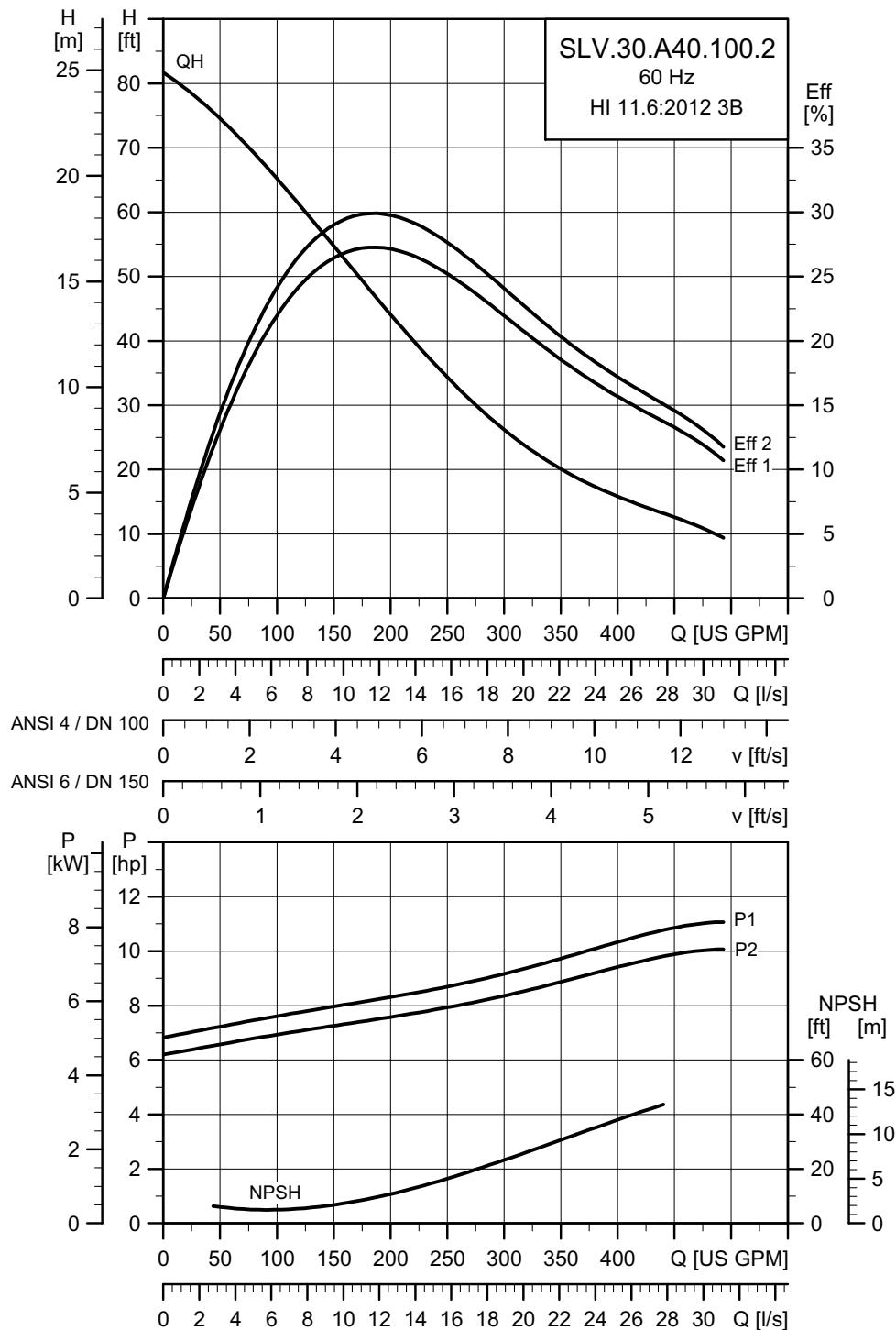
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	9.8 (7.2)	8.0 (6.0)	2	3549	DOL	22.9 - 21.9	215	89.5	89.7	90.2	0.70	0.79	0.83	1.15	0.638 (0.0269)	62.7 (85)
61R	3 x 230 V D / 460 V Y	9.8 (7.2)	8.0 (6.0)	2	3549	Y/D	21.4	170	89.8	90.8	90.7	0.75	0.84	0.87	1.15	0.638 (0.0269)	36.9 (50)
61L	3 x 575 V D Y/D	9.8 (7.2)	8.0 (6.0)	2	3549	Y/D	8.3	82	89.5	89.7	90.2	0.70	0.79	0.83	1.15	0.638 (0.0269)	62.7 (85)

Pump data

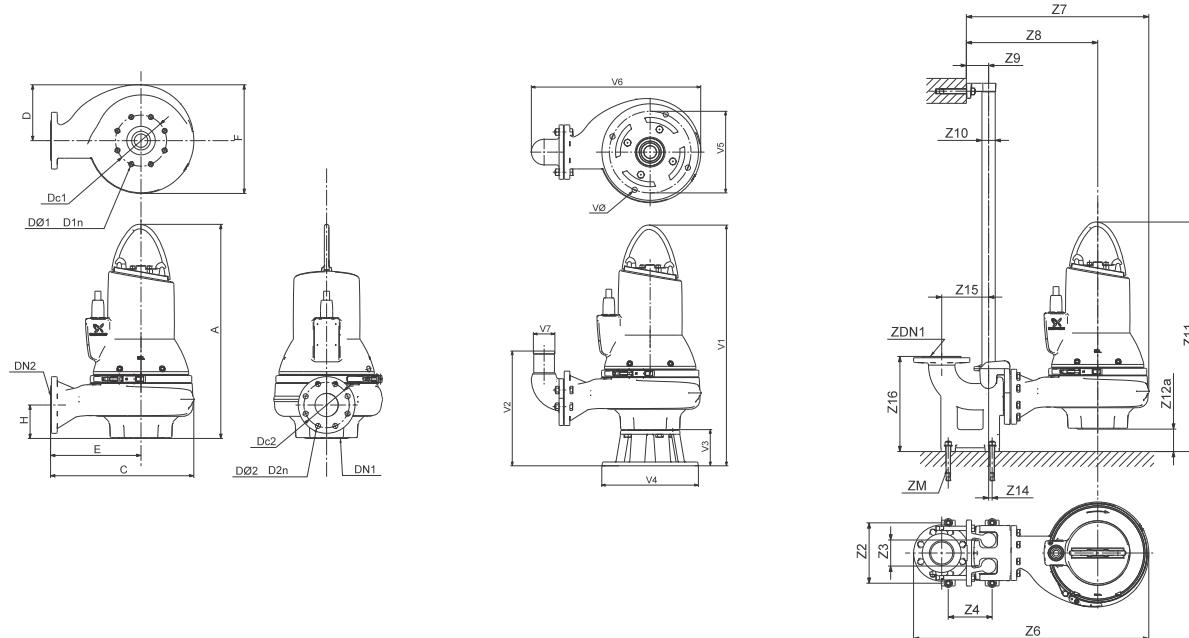
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.100.2---C



TNO47222 1914

Dimensional sketches: SLV.30.A40.100.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.6	18.4	7.9	11.3	15.0	4.1	3.0	6.0	8 x M16	4.0	7.5	807.2 lb
[mm]	751	466	200	286	380	104	DN 80	153	8 x M16	DN 100	191	139.4 kg

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM
[in.]	10.3	4.3	8.7	35.8	26.9	19.8	4.3	2.0	35.0	5.4	0	8.7	16.3	4.0
[mm]	260	110	220	909	683	503	110	50	887	136	0	220	413	100

V1	V2	V3	V4	V5	V6	V7	VØ
[in.]	34.7	14.8	5.0	13.0	11.0	24.8	3.9
[mm]	879	376	128	330	280	629	100

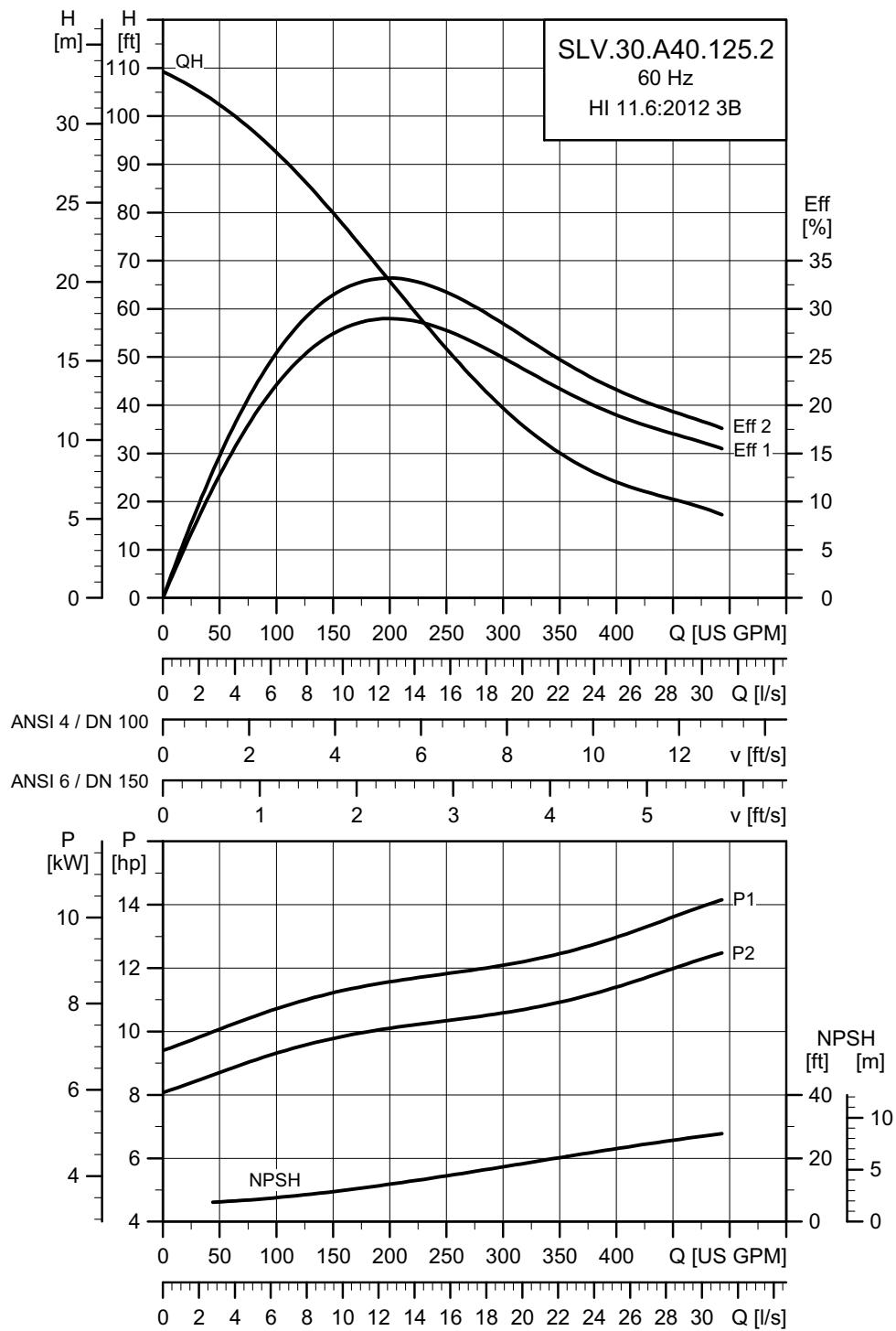
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]	
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	11.8 (8.7)	10.0 (7.5)	2	3533	DOL	27.6	26.3	215	90.3	90.8	90.1	0.74	0.82	0.86	1.15	0.589 (0.0248)	62.7 (85)
61R	3 x 230 V D/ 460 V Y	12.0 (8.8)	10.0 (7.5)	2	3533	Y/D	26.5	170	90.4	90.6	89.6	89.0	0.80	0.86	0.89	1.15	0.589 (0.0248)	36.9 (50)
61L	3 x 575 V D Y/D	12.0 (8.8)	10.0 (7.5)	2	3533	Y/D	10.0	82	90.3	90.8	90.1	0.74	0.82	0.86	1.15	0.589 (0.0248)	62.7 (85)	

Pump data

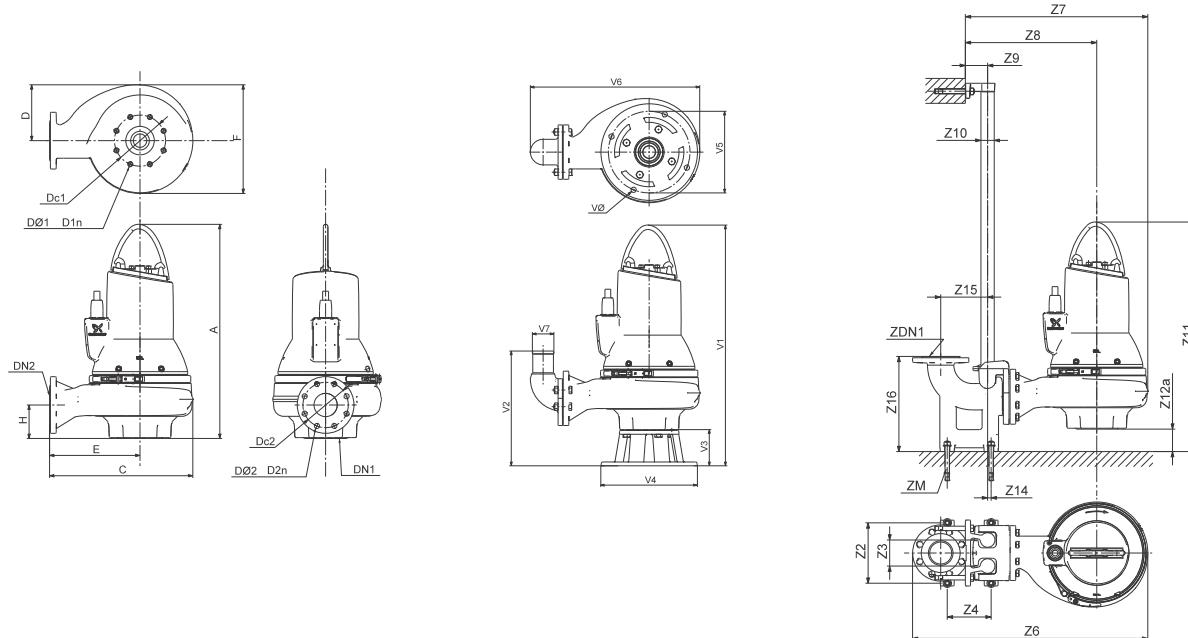
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.125.2---C



TM04 72731914

Dimensional sketches: SLV.30.A40.125.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	D01 D1n	DN 2	Dc2	D02 D2n	Weight
[in.]	30.8	19.7	8.5	11.9	16.3	4.8	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	782	499	217	303	413	123	DN 80	153	8 x M16	DN 100	191	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	37.1	28.2	20.5	4.3	2.0	35.4	4.6	0	8.7
[mm]	260	110	220	942	716	520	110	50	899	117	0	220
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13
[in.]	35.9	15.6	5.0	13.0	11.0	26.1	3.9	0.7	0.7	0.7	0.7	0.7
[mm]	910	395	128	330	280	662	100	18	18	18	18	18

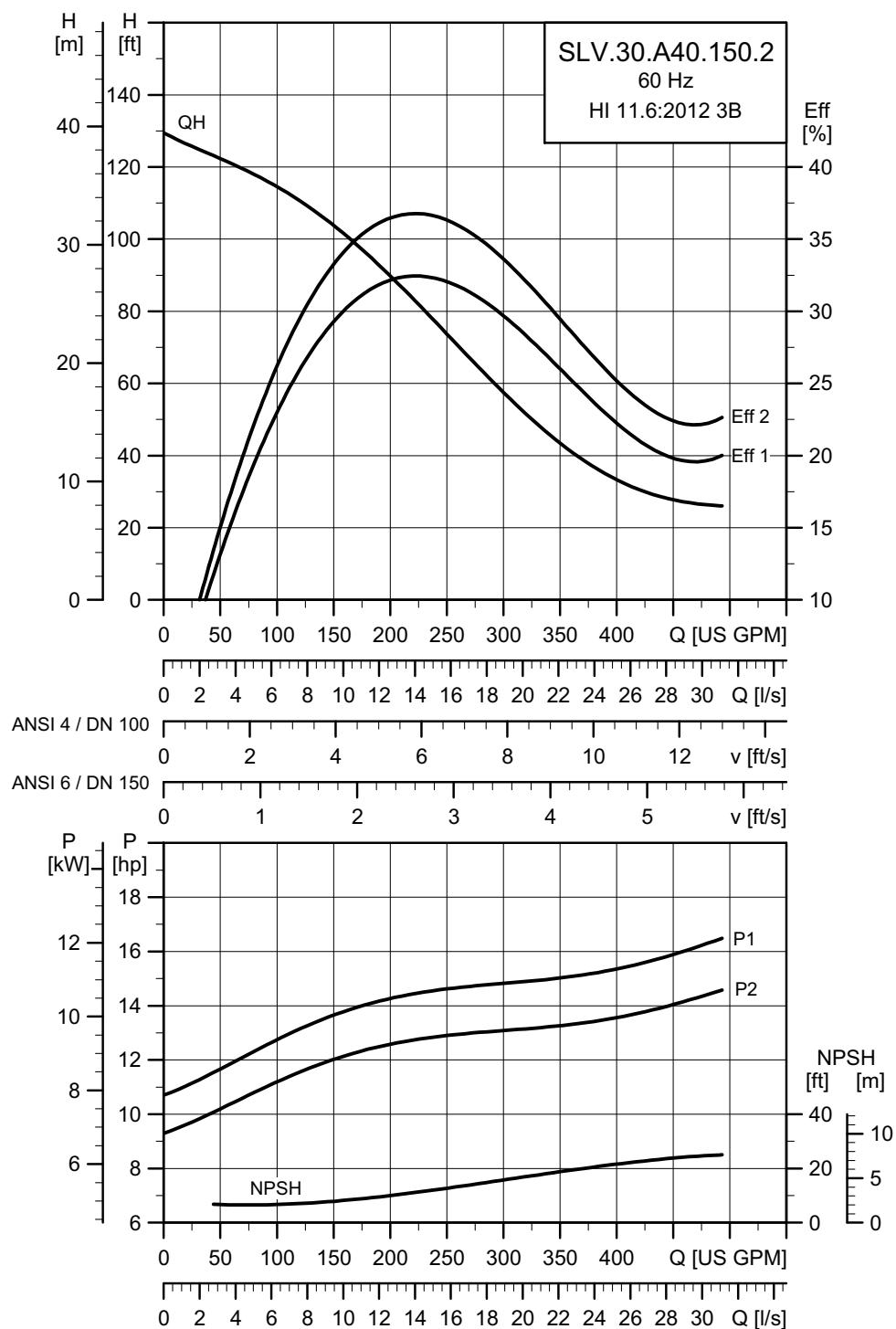
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N I _{start} η _{motor} [%] Cos φ						SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	14.4 (10.6)	12.5 (9.2)	2	3551	DOL	31.7 - 31.7	308	91.6	91.6	91.7	0.65	0.78	0.82	1.15	0.686 (0.0289)	81.1 (110)
61R	3 x 230 V D / 460 V Y	14.4 (10.6)	12.5 (9.2)	2	3551	Y/D	32	240	89.5	90.8	90.6	0.78	0.87	0.85	1.15	0.686 (0.0289)	45.7 (62)
61L	3 x 575 V D Y/D	14.4 (10.6)	12.5 (9.2)	2	3551	Y/D	11.5	118	91.6	91.6	91.7	0.65	0.78	0.82	1.15	0.686 (0.0289)	81.1 (110)

Pump data

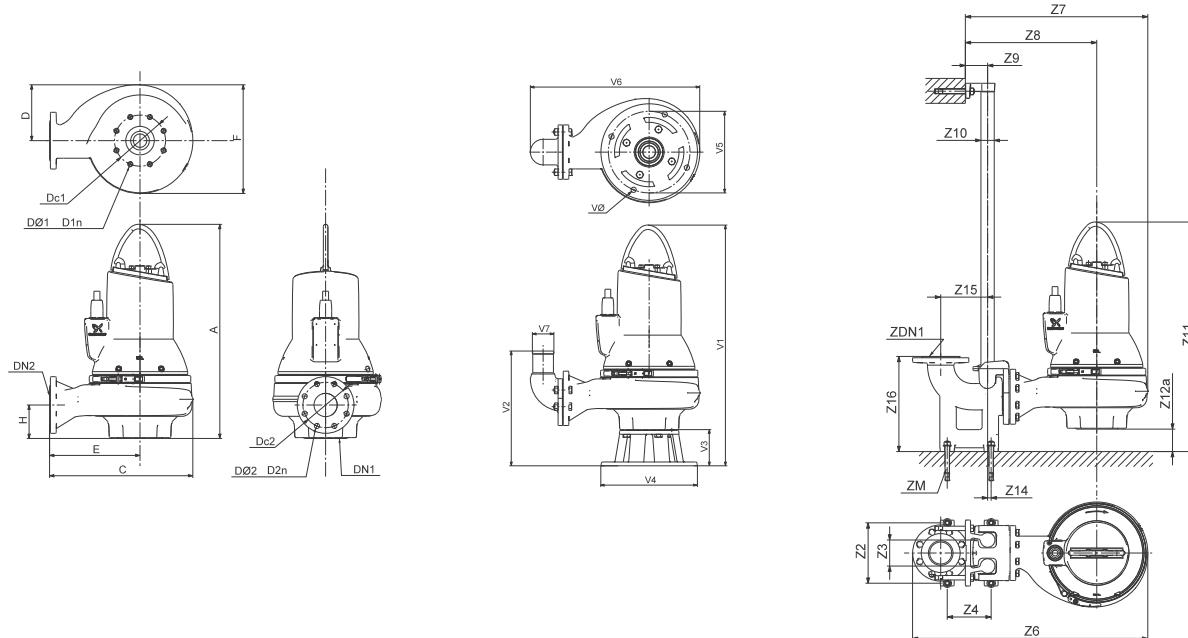
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.30.A40.150.2---C



T1W47274 1914

Dimensional sketches: SLV.30.A40.150.2--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

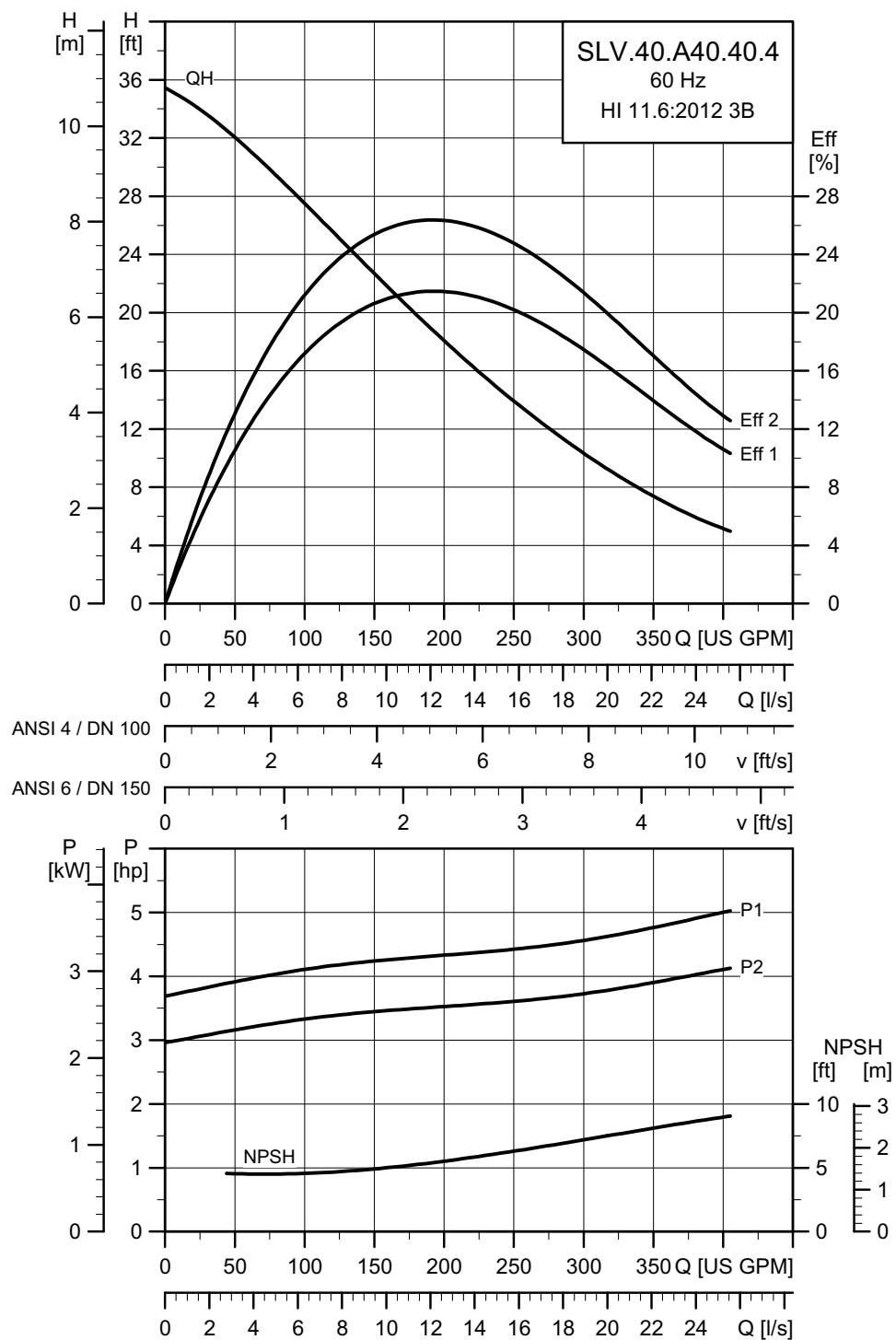
A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	30.8	19.7	8.5	11.9	16.3	4.8	3.0	6.0	8 x M16	4.0	7.5	8 x 0.75
[mm]	782	499	217	303	413	123	DN 80	153	8 x M16	DN 100	191	8 x 19.1
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	37.1	28.2	20.5	4.3	2.0	35.4	4.6	0	8.7
[mm]	260	110	220	942	716	520	110	50	899	117	0	220
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13
[in.]	35.9	15.6	5.0	13.0	11.0	26.1	3.9	0.7	1.0	1.0	1.0	1.0
[mm]	910	395	128	330	280	662	100	18	25	25	25	25

Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb*ft ² (kgm ²)]	Breakdown torque M _{max} [lbf*ft (Nm)]	
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1		
60J	3 x 208-230 V D	17.0 (12.5)	15.0 (11.0)	2	3551	DOL	40.3	38.7	308	91.6	91.8	91.6	0.73	0.82	0.86	1.15	0.638 (0.0269)	81.1 (110)
61R	3 x 230 V D/ 460 V Y	17.1 (12.6)	15.0 (11.0)	2	3551	Y/D	22	240	91.2	91.2	90.7	0.77	0.84	0.87	1.15	0.638 (0.0269)	81.1 (110)	
61L	3 x 575 V D Y/D	17.1 (12.6)	15.0 (11.0)	2	3551	Y/D	14.6	118	91.6	91.8	91.6	0.73	0.82	0.86	1.15	0.638 (0.0269)	81.1 (110)	

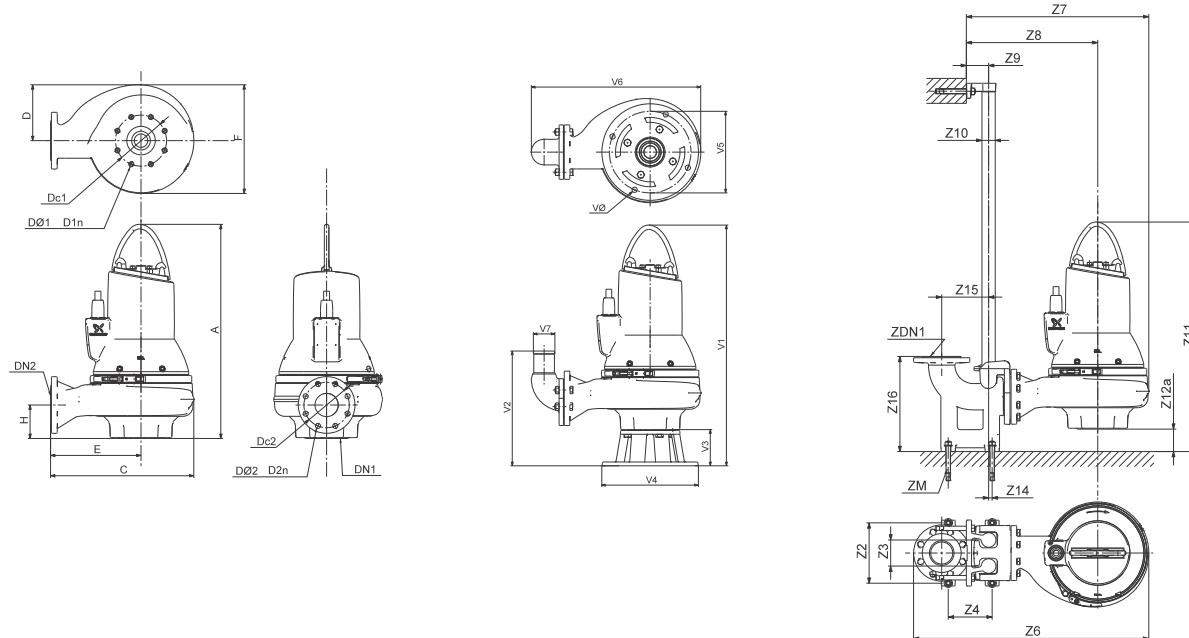
Pump data

Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	3 (80)	10	20	IP68	H	A	104 (40)	4-14

SLV.40.A40**Performance curves: SLV.40.A40.40.4.--.C**

MM04772751914

Dimensional sketches: SLV.40.A40.40.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	29.0	18.0	7.9	10.9	15.0	5.3	4.0	7.5	8 x M16	4.0	7.5	8 x 0.75
[mm]	737	457	200	277	380	134	DN 100	191	8 x M16	DN 100	191	114.9 kg
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16
[in.]	10.3	4.3	8.7	35.4	26.6	19.4	4.3	2.0	33.2	4.2	0	8.7
[mm]	260	110	220	900	674	494	110	50	843	106	0	220
V1	V2	V3	V4	V5	V6	V7	VØ					
[in.]	34.2	16.1	5.1	14.0	11.8	24.4	3.9	0.7				
[mm]	867	408	130	355	300	620	100	19				

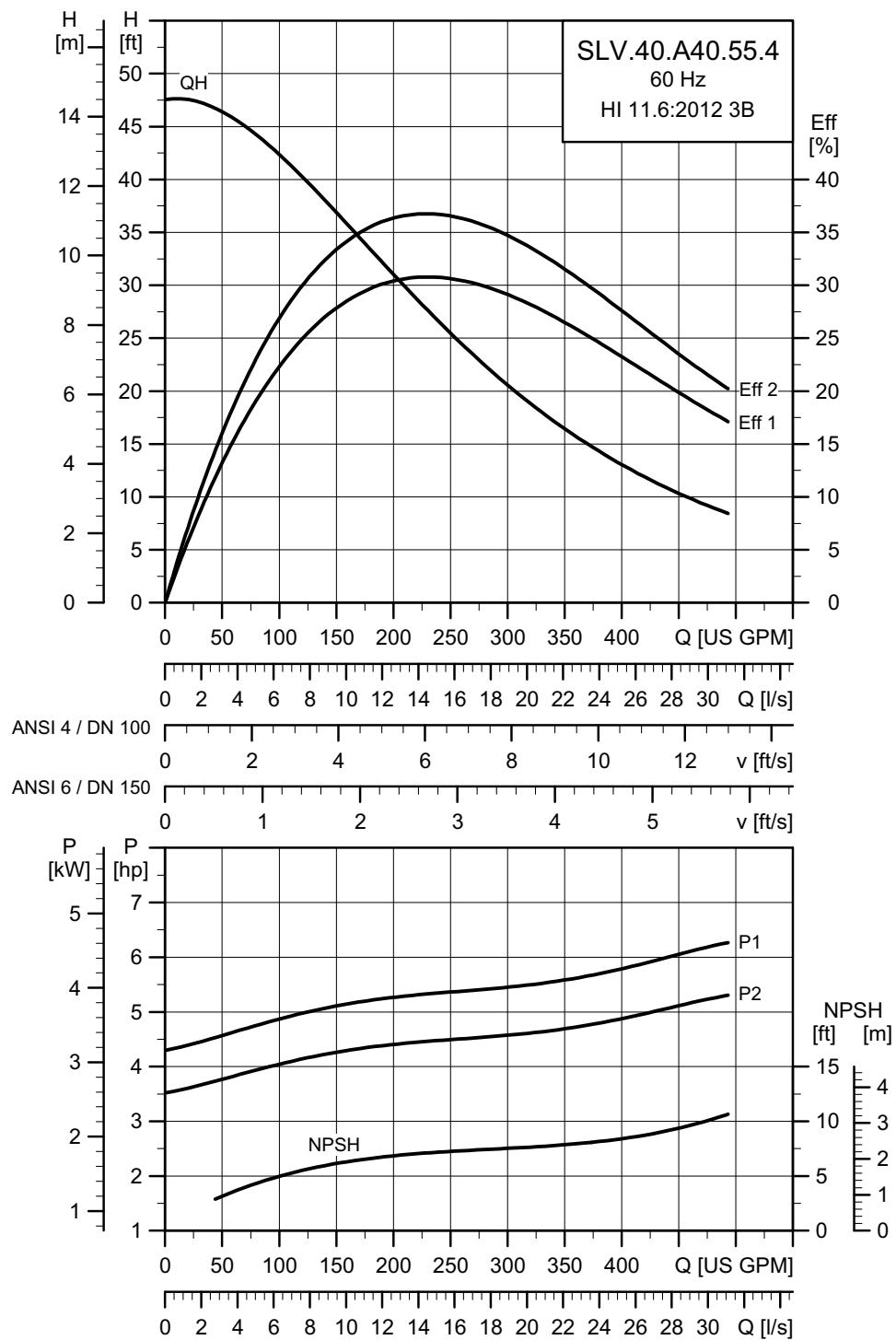
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N	I _{start}	η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	5.5 (4.0)	4.0 (3.0)	4	1755	DOL	12.5 - 12.9	98	84.6	86.3	86.4	0.63	0.75	0.79	1.15	3.097 (0.1305)	40.6 (55)
61R	3 x 208-230 V D	5.1 (3.7)	4.0 (3.0)	4	1755	Y/D	12	75	85.0	86.0	85.6	0.70	0.79	0.82	1.15	3.097 (0.1305)	32.5 (44)
61L	3 x 575 V D Y/D	5.1 (3.7)	4.0 (3.0)	4	1755	Y/D	4.5	37	84.6	86.3	86.4	0.63	0.75	0.79	1.15	3.097 (0.1305)	40.6 (55)

Pump data

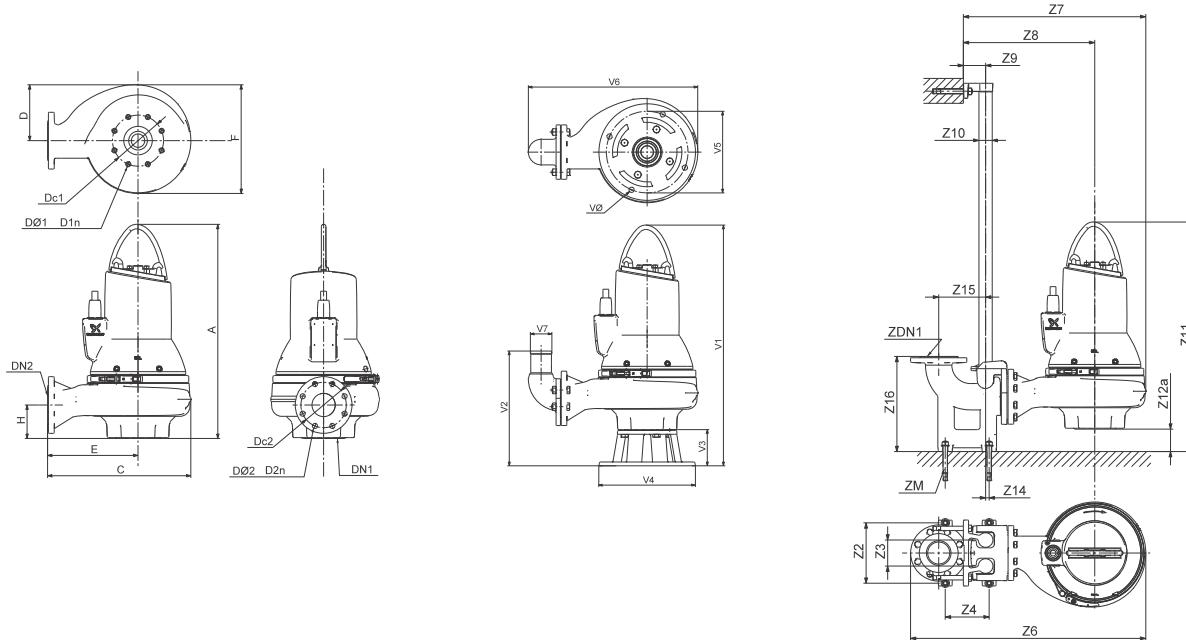
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	4 (100)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.40.A40.55.4---C



TN04776 1914

Dimensional sketches: SLV.40.A40.55.4---C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	Dø1 D1n	DN 2	Dc2	Dø2 D2n	Weight			
[in.]	29.9	18.0	7.9	10.9	15.0	5.3	4.0	7.5	4.0	7.5	8 x 0.75	282.3 lb			
[mm]	759	457	200	277	380	134	DN 100	191	8 x M16	DN 100	191	8 x 19.1	128.1 kg		
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.3	4.3	8.7	35.4	26.6	19.4	4.3	2.0	34.1	4.2	0	8.7	16.3	4.0	4 x M16
[mm]	260	110	220	900	674	494	110	50	865	106	0	220	413	100	4 x M16
V1	V2	V3	V4	V5	V6	V7	VØ								
[in.]	35.0	16.1	5.1	14.0	11.8	24.4	3.9								
[mm]	889	408	130	355	300	620	100								

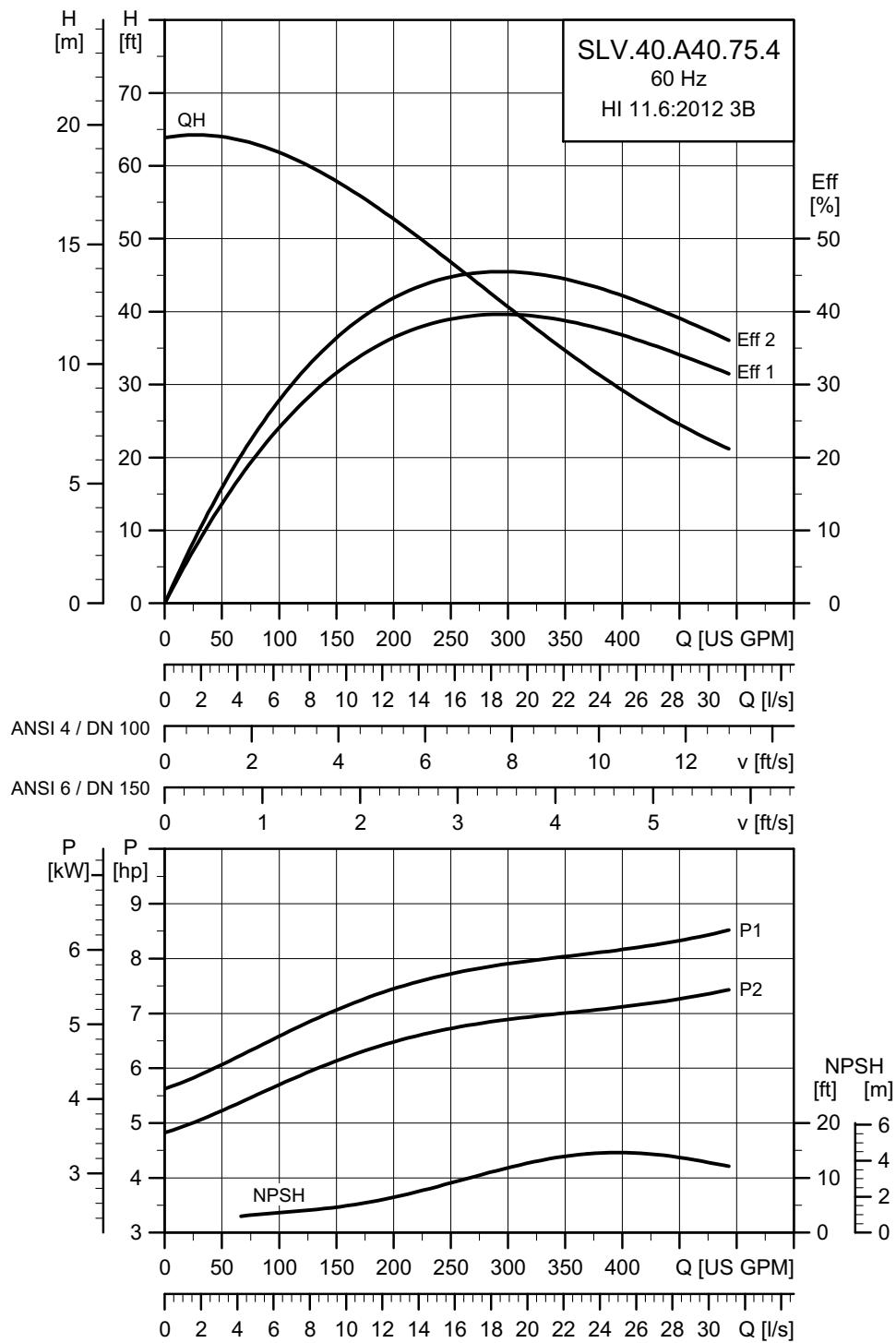
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor} [%]		Cos φ		SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]
							[A]	[A]	[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1	
60J	3 x 208-230 V D	6.5 (4.8)	5.5 (4.0)	4	1767	DOL	17.3 - 19.0	133	85.3	87.4	88.2	0.53	0.66	0.74	1.15	3.073 (0.1295)	61.2 (83)
61R	3 x 230 V D/ 460 V Y	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	16.2	120	86.2	87.8	87.8	0.59	0.70	0.78	1.15	3.073 (0.1295)	48.7 (66)
61L	3 x 575 V D Y/D	6.5 (4.8)	5.5 (4.0)	4	1767	Y/D	6.3	51	85.3	87.4	88.2	0.53	0.66	0.74	1.15	3.073 (0.1295)	61.2 (83)

Pump data

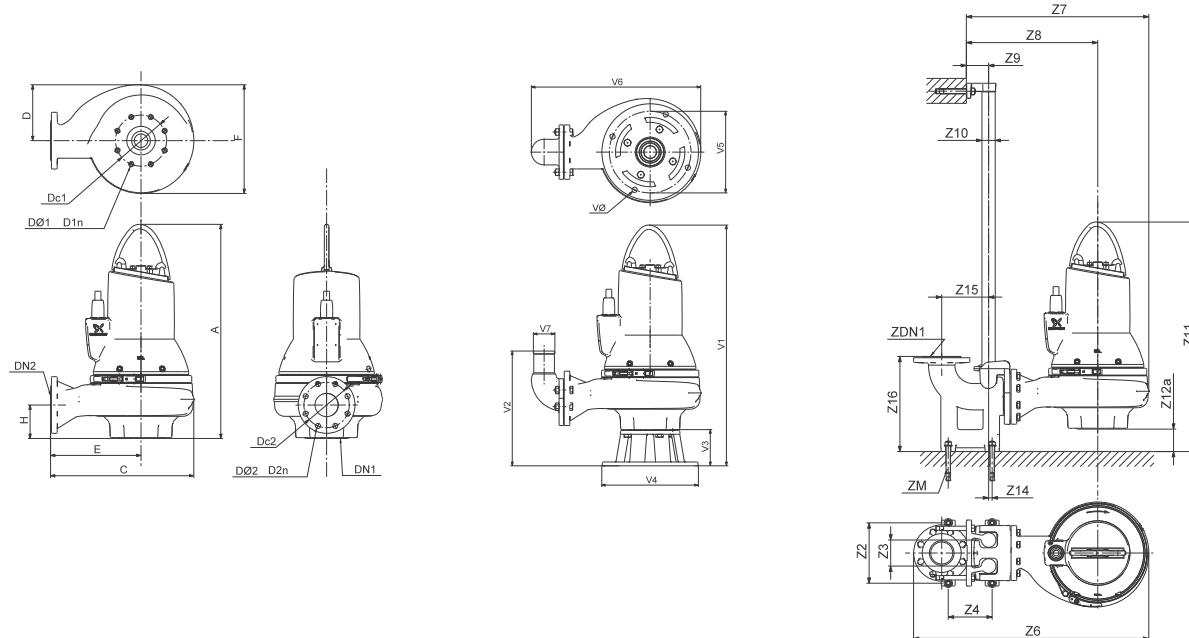
Impeller type	Max. solids size [in. (mm)]	Pump housing pressure PN	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature [°F (°C)]	pH
SuperVortex	4 (100)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.40.A40.75.4---C



TM0407271914

Dimensional sketches: SLV.40.A40.75.4.--.C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight
[in.]	30.2	18.0	7.9	10.9	15.0	5.3	4.0	7.5	8 x M16	4.0	7.5	8 x 0.75
[mm]	766	457	200	277	380	134	DN 100	191	8 x M16	DN 100	191	8 x 19.1

Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.3	4.3	8.7	35.4	26.6	19.4	4.3	2.0	34.33	4.2	0	8.7	16.3	4.0	4 x M16
[mm]	260	110	220	900	674	494	110	50	872	106	0	220	413	100	4 x M16

V1	V2	V3	V4	V5	V6	V7	VØ	
[in.]	35.3	16.1	5.1	14.0	11.8	24.4	3.9	0.7
[mm]	896	408	130	355	300	620	100	19

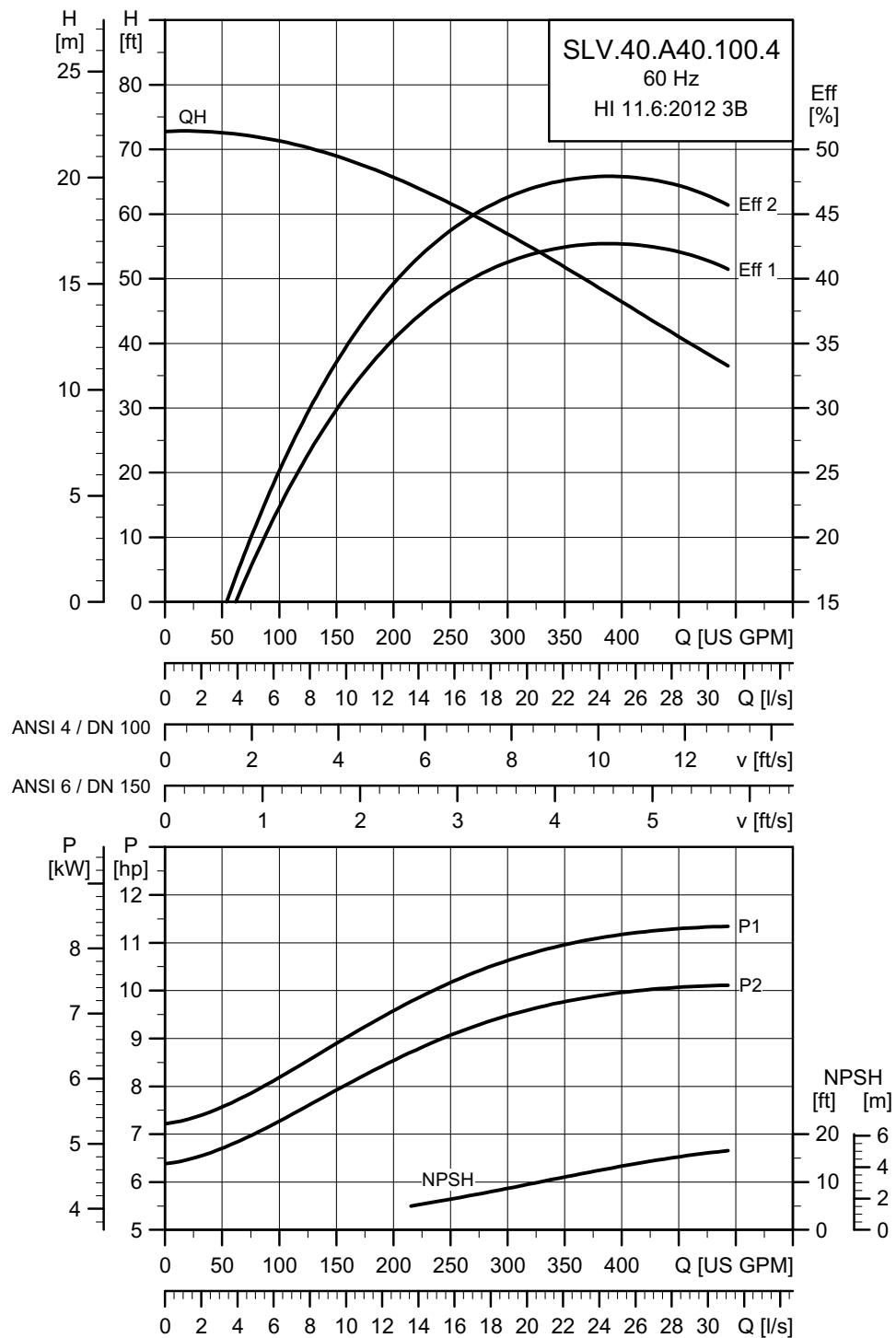
Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N		I _{start}		η _{motor [%]}			Cos φ			SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lb·ft (Nm)]
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1					
60J	3 x 208-230 V D	8.5 (6.3)	7.5 (5.5)	4	1765	DOL	20.2 - 19.7	149	88.9	90.0	89.6	0.73	0.81	0.86	1.15	3.073 (0.1295)	73 (99)		
61R	3 x 230 V D/ 460 V Y	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	19.2	120	89.2	89.7	88.9	0.77	0.84	0.87	1.15	3.073 (0.1295)	60.5 (82)		
61L	3 x 575 V D Y/D	8.7 (6.4)	7.5 (5.5)	4	1765	Y/D	7.3	57	88.9	90.0	89.6	0.73	0.81	0.86	1.15	3.073 (0.1295)	73 (99)		

Pump data

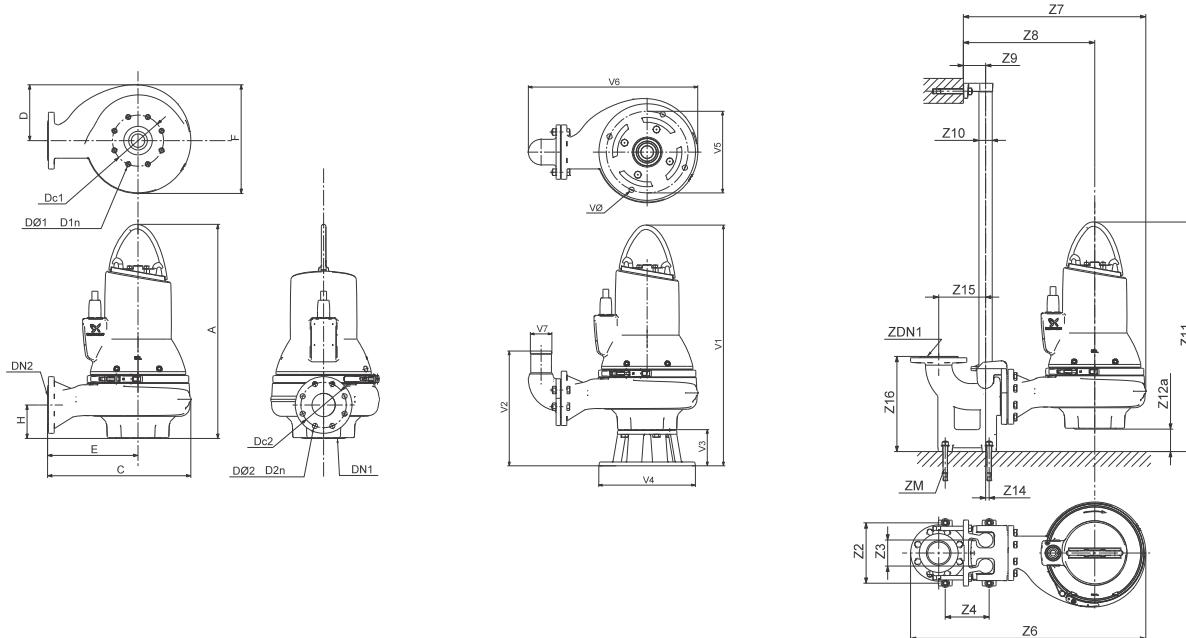
Impeller type	Max. solids size	Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	PN					[°F (°C)]	
SuperVortex	4 (100)	10	20	IP68	H	A	104 (40)	4-14

Performance curves: SLV.40.A40.100.4---C



TM04 72281614

Dimensional sketches: SLV.40.A40.100.4--C



TM04 2793 3008 - TM04 2794 3008 - TM04 2795 3008

A	C	D	E	F	H	DN 1	Dc1	DØ1 D1n	DN 2	Dc2	DØ2 D2n	Weight			
[in.]	33.2	19.3	8.5	11.6	16.3	5.7	4.0	7.5	4.0	7.5	8 x 0.75	371.8 lb			
[mm]	842	490	217	294	413	145	DN 100	191	8 x M16	DN 100	191	8 x 19.1	168.7 kg		
Z2	Z3	Z4	Z6	Z7	Z8	Z9	Z10	Z11	Z12a	Z14	Z15	Z16	ZDN1	ZM	
[in.]	10.3	4.3	8.7	36.7	27.9	20.1	4.3	2.0	37.0	3.7	0	8.7	16.3	4.0	4 x M16
[mm]	260	110	220	933	707	511	110	50	937	95	0	220	413	100	4 x M16
V1	V2	V3	V4	V5	V6	V7	V8	V9	V10	V11	V12	V13	V14	VØ	
[in.]	38.3	16.5	5.1	14.0	11.8	25.7	3.9	0.7							
[mm]	972	419	130	355	300	653	100	19							

Electrical data

Pump type	Voltage [V]	P1 [hp (kW)]	P2 [hp (kW)]	No. of poles	RPM	Starting method	I _N I _{start} η _{motor} [%] Cos φ						SF	Moment of inertia [lb·ft ² (kgm ²)]	Breakdown torque M _{max} [lbf·ft (Nm)]		
							[A]	[A]	1/2	3/4	1/1	1/2	3/4	1/1			
60J	3 x 208-230 V D	11.4 (8.4)	10.0 (7.5)	4	1766	DOL	27.0 - 27.5	205	91.0	91.4	91.0	0.71	0.81	0.85	1.15	1.839 (0.0775)	118 (160)
61R	3 x 230 V D/ 460 V Y	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	26.0	160	90.9	91.1	90.3	0.75	0.84	0.87	1.15	1.839 (0.0775)	81.3 (110)
61L	3 x 575 V D Y/D	11.6 (8.6)	10.0 (7.5)	4	1766	Y/D	9.8	79	91.0	91.4	91.0	0.71	0.81	0.85	1.15	1.839 (0.0775)	118 (160)

Pump data

Impeller type	Max. solids size		Pump housing pressure	Max. number of starts per hour	Enclosure class	Insulation class	Temperature rise class	Max. liquid temperature	pH
	[in. (mm)]	[PN]							
SuperVortex	4 (100)	10		20	IP68	H	A	104 (40)	4-14

11. Accessories

Installation systems

Picture	Description	Dimensions				Product number
	<p>Complete auto-coupling system, including guide claw, base plate and upper guide rail bracket. Cast iron, epoxy-coated. With bolts, nuts and gaskets.</p> <p>Note: If your guide rails exceed 13 feet (4 m), consider the use of intermediate guide rail brackets to support your system.</p>	2.5"	•	SL1.20.A25		97626234
		3"	•	SL1.20.A30		97626236
		3" / 2.5**	•	SL1.30.A30		97626237
		4"		SL1.30.A40		97626238
		4" / 3**	•	SL1.40.A40		97626239
		6"		SL1.40.A60	•	97626240
		6" / 4**		SLV.25.A25	•	97626241
	<p>Intermediate guide rail brackets of stainless steel (AISI 304). The size of the intermediate guide rail bracket depends on the outlet pipe dimension.</p>	2.5"	•	SLV.25.A30		96825119
		3"	•	SLV.30.A30		96825142
		4"		SLV.30.A40		96825161
		6"		SLV.40.A40		96887674
		2.5"	•			97632115
		2.5" / 3**	•			97632165
		3" / 2.5**			•	97632219
	<p>Ring stand with flanged 90 ° elbow and hose connection. Cast iron, epoxy-coated. With bolts, nuts, gaskets and anchor bolts.</p>	3"			•	97632227
		3" / 4"				97632281
		4" / 3"	•			97632229
		4"		•		97632278
		6" / 4", galvanized steel		•		97632370
		6", galvanized steel			•	97632372
		2.5"	•			97632119
		2.5" / 3"	•			97632166
		3" / 2.5"			•	97632226
		3"			•	97632228
		3" / 4"				97632283
		4" / 3"	•			97632241
		4"		•		97632280
		6" / 4", galvanized steel		•		97632371
		6", galvanized steel			•	97632373

* Outlet pipe/guide claw, e.g. 3"/2.5" = 3" outlet pipe and 2.5" guide claw.

Other accessories

Picture	Description	Max. load [lb (kg)]	SL1.20.A25	SL1.20.A30	SL1.30.A30	SL1.30.A40	SL1.40.A40	SL1.40.A60	SLV.25.A25	SLV.25.A30	SLV.30.A30	SLV.30.A40	SLV.40.A40	Product number
TM02 6126 5102	13 ft (4 m) hot dip galvanized lifting chain with lifting link and safety hook. With certificates.	1763 (800)	•	•	•	•	•	•	•	•	•	•	•	96735550
	20 ft (6 m) hot dip galvanized lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735553
	26 ft (8 m) hot dip galvanized lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735554
	33 ft (10 m) hot dip galvanized lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735556
	40 ft (12 m) hot dip galvanized lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735557
	13 ft (4 m) stainless steel lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735559
	20 ft (6 m) stainless steel lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735564
	26 ft (8 m) stainless steel lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735566
	33 ft (10 m) stainless steel lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735567
	40 ft (12 m) stainless steel lifting chain with lifting link and safety hook. With certificates.		•	•	•	•	•	•	•	•	•	•	•	96735569

Picture	Description	Product number
TM05 6793 5112	IO 113	98097391

TM05 6793 5112	IO 113 is an input/output interface between controllers and wastewater pumps equipped with sensors or a sensor board. The most important information is shown on the front panel.
----------------	---

Level controllers

SLC and DLC

Picture	Description	Dimensions			Product number
		Motor shaft power [Hp]	Overload range [A]	Min. amp. required to disconnect [A]	
	Simplex Level Controller SLC panel, 208/230 VAC, 3-phase	1.5	2.0 - 6.3	15	98376348
		1.8			
		2.0	5.7 - 18.9	15	98411557
		3.0			
		2.0			
		3.0			
		4.0	9.0 - 30	30	98376349
		5.5			
		7.5			
		8.0	15-45	40	98376350
		10.0			
		12.5	15-45	60	98376371
		15.0			
		1.5			
	Simplex Level Controller SLC panel, 460 VAC, 3-phase	1.8	2.0 - 6.3	15	98376372
		2.0			
		3.0			
		4.0			
		5.5			
		7.5	5.7 - 18.9	20	98376373
		8.0			
		10.0			
		12.5	5.7 - 8.9	25	98376374
		15.0			
		1.5	2.0 - 6.3	20	98376375
		1.8			
		2.0	5.7 - 18.9	20	98411558
		3.0			
	Duplex Level Controller SLC panel, 208/230 VAC, 3-phase	2.0			
		3.0			
		4.0	9.0 - 30	50	98376376
		5.5			
		7.5			
		8.0	15-45	75	98376377
		10.0			
		12.5	15-45	120	98376378
		15.0			
		1.5			
		1.8			
		2.0	2.0 - 6.3	20	98376379
		3.0			
		4.0			
	Duplex Level Controller SLC panel, 460 VAC, 3-phase	5.5			
		7.5	5.7 - 8.9	40	98376380
		8.0			
		10.0			
		12.5	5.7 - 8.9	50	98376381
		15.0			

Level switches

Picture	Description	Product number
	Grundfos level switch MS1 UL with 33 ft cable	98365984
	Grundfos level switch MS1 UL with 40 ft cable	98365985
	Grundfos level switch MS1 UL with 60 ft cable	98365986
	Cable support of stainless steel	98365987
	Grundfos level switch MS1 Ex IEC ex with 33 ft cable	98372085
	Grundfos level switch MS1 Ex IEC ex with 40 ft cable	98372086
	Grundfos level switch MS1 Ex IEC ex with 60 ft cable	98372087
	Cable support of stainless steel	98365987

SL1, SLV pumps

Features

SLC

SLC enables:

- control of one pump based on signals from level switches
- battery backup in case of mains supply failure (accessory)
- selection of automatic restarting
- selection of automatic/manual/off setting
- alarm indication of:
 - high water level
 - overload (via motor protection relay).

As standard, SLC has an audio/visual high water level alarm with auto reset.

- audio alarm, 95 dB warble tone at 24"
- visual alarm 7/8" diameter red lens, push to silence
- NEMA 4X, 1 W bulb.



Fig. 25 SLC controller

TM05 6795 5112

DLC

DLC enables:

- control of two pumps based on signals from level switches
- automatic pump changeover (even distribution of operating hours on both pumps)
- battery backup in case of mains supply failure (accessory)
- selection of automatic restarting
- selection of automatic/manual/off setting
- alarm indication of:
 - high water level
 - overload (via motor protection relay).

As standard, DLC has an audio/visual high water level alarm with auto reset:

- audio alarm, 95 dB warble tone at 24"
- visual alarm 7/8" diameter red lens, push to silence
- NEMA 4X, 1 W bulb.



Fig. 26 DLC controller

TM05 6794 5112

Level switches

The Grundfos level switches are of the non-mercury type and are available for standard and explosion-proof pumps. The hermetically sealed polypropylene housing and polyurethane cable make the level switch resistant to, e.g., many chemicals, alcohol, uric acid, sewage, oils, gasoline and fruit acid.

Location and position of level switches

The level switches are to be installed in the pit floating on the pumped liquid.

The position of the level switches decides when SLC or DLC will start and stop the pump:

- When the level switch is pointing upwards, the level switch contact will be closed and the pump will start.
- When the level switch is pointing downwards, the level switch contact will be opened and the pump will stop.

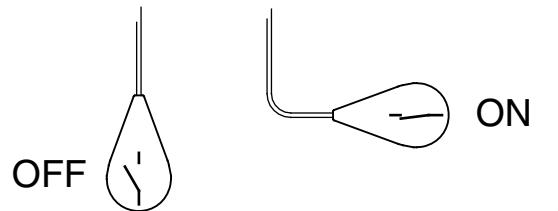


Fig. 27 Level switch positions

TM00 6678 3497

Dedicated Controls



Fig. 28 Dedicated Controls control unit

Grundfos Dedicated Controls is a control system that can control and monitor one to six Grundfos wastewater pumps and a mixer or a flushing valve. Dedicated Controls are used in installations requiring advanced control and data communication.

The main components of the Dedicated Controls system are:

- CU 362 control unit
- IO 351B module (general I/O module).

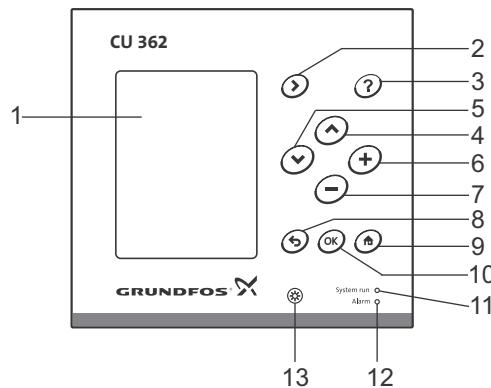
Dedicated Controls are available as separate components.

The control system can be operated by

- float switches
- a level sensor
- a level sensor and safety float switches.

The separate control unit and modules can be built for practically any size of system.

CU 362 control panel



TM05 3044 2012

Fig. 29 CU 362 control panel

Pos. Description

1	Display
2	Right
3	Help
4	Up
5	Down
6	Plus
7	Minus
8	Back
9	Home
10	OK (accept)
11	Indicator light, operation (green)
12	Indicator light, fault (red)
13	Contrast

SL1, SLV pumps

Status menu

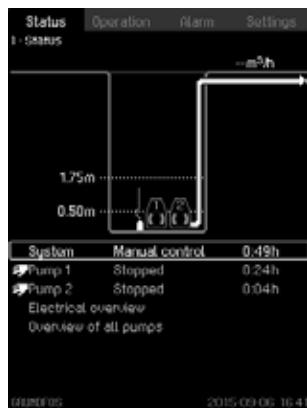


Fig. 30 Status menu

Description

- Graphical illustration of system (upper half of display).
- Clear text parameters.
- Indication of alarms that occur during operation (top and middle of display).
- Reading of system and individual pump performance (lower half of display).
- Button for further information.
- Active buttons are illuminated.

Operation menu



Fig. 31 Operation menu

Description

- Setting of basic parameters, for instance start/stop levels.
- Setting of auto/on/off of system or individual pumps.
- Resetting of alarm relays.
- Button for further information.
- Active buttons are illuminated.

Alarm menu



Fig. 32 Alarm menu

Description

- Current alarm and alarm log with detailed information:
 - What the cause of the fault is.
 - Where the fault occurred (system, pump no. 1 etc.).
 - When the fault occurred (time and date).
 - When the fault disappeared (time and date).
- Alarm snapshot - reading of system and pump parameters at the time of alarm.
- Alarm log with up to 24 historical warnings and alarms.
- Button for further information.
- Active buttons are illuminated.

Settings menu



Fig. 33 Settings menu

Description

- Various settings:
 - Setting of analog/digital inputs and outputs.
 - Setting of application-optimized functions such as energy optimization, foam drainage and advanced alternation.
 - Display language.
 - Communication settings.
 - Ethernet etc.
- Button  for further information.
- Active buttons are illuminated.

Dedicated Controls can be fitted with various units:

- The CU 362 control unit, which is the "brain" of the Dedicated Controls system, is fitted in the cabinet front. CU 362 can be fitted with one of the Grundfos CIM communication modules mentioned below, depending on the monitoring needs or the SCADA system:
 - CIM 200 is a Grundfos communication module used for the Modbus RTU fieldbus protocol.
 - CIM 250 is a communication module used for GSM/GPRS communication. CIM 250 establishes communication between CU 362 and a SCADA system, thereby allowing the application to be monitored and controlled remotely. This module also offers SMS messaging, for example status and alarm messages.
 - CIM 270 is a communication module for the Grundfos Remote Management system (GRM). CIM 270 establishes communication between CU 362 and GRM, thereby allowing the application to be monitored and controlled remotely.
- The IO 351B module, which is a general I/O module communicating with CU 362 via GENIbus.
- The MP 204 motor protector (optional), which provides many electrical status values, for example voltage, current, power, insulation resistance and energy. MP 204 offers better protection of the pumps than a conventional motor protection device.
- CUE/VFD (optional), which is either a Grundfos variable-frequency converter or a general variable-frequency converter, also offers better pump protection and a more steady flow through the pit pipes, so the pumps are treated well and the energy consumption is kept at a minimum.

For further information, see the data booklet or installation and operating instructions for Dedicated Controls on www.grundfos.us (Grundfos Product Center).

Name	Dedicated Controls
Application	
One pump	•
Two pumps (up to six pumps)	•
Mixer	•
Battery backup	•
Level sensor	
Float switch	•
Electrodes	
Air bell	
Pressure sensor	•
Ultrasonic sensor	•
Analog level sensor with safety float switches	•
Starting method	
Direct-on-line starting (DOL)	•
Star-delta starting	•
Soft starter	•
Basic functions	
Start and stop of pump(s)	•
Pump alternation	•
High-level alarm	•
Dry-running-level alarm	•
Flow measurement (calculated or via flow sensor)	•
Pump statistics	•
Conflicting-levels alarm	•
Advanced functions	
Start and stop delays (prevent water hammering)	•
Motor temperature sensor	•
Test run/anti-seizing	•
Daily emptying (emptying the pit once a day)	•
Water-in-oil sensor input	•
Communication	
SMS messaging	• ¹⁾
SCADA communication (GSM/GPRS)	• ²⁾
User interface	
Level indication	•
Graphical display	•
PC Tool WW Controls	•

¹⁾ If an SMS module is fitted.

²⁾ If a CIM 250 GSM/GPRS module is fitted in CU 362.

12. Grundfos Product Center

Online search and sizing tool to help you make the right choice.

<http://product-selection.grundfos.com>



SIZING enables you to size a pump based on entered data and selection choices.

REPLACEMENT enables you to find a replacement product. Search results will include information on

- the lowest purchase price
- the lowest energy consumption
- the lowest total life cycle cost.

www.grundfos.us

GRUNDFOS PRODUCT CENTER

HOME FIND PRODUCT COMPARE YOUR PROJECTS SAVED ITEMS HELP 1.5.29

FIND PRODUCTS AND SOLUTIONS

Input product number or a whole or partial product name

SIZING Enter pump sizing **CATALOG** Product and services **REPLACEMENT** Replace an old pump with a new **LIQUIDS** Find liquid pump

QUICK SIZING

Enter duty point:

Flow (Q)*	US gpm	ft
	100	10

Select what to size by:

Size by application
 Size by pump design
 Size by pump family

START SIZING

ADVANCED SIZING: Advanced sizing by application Guided selection

CATALOG gives you access to the Grundfos product catalog.

LIQUIDS enables you to find pumps designed for aggressive, flammable or other special liquids.

All the information you need in one place

Performance curves, technical specifications, pictures, dimensional drawings, motor curves, wiring diagrams, spare parts, service kits, 3D drawings, documents, system parts. The Product Center displays any recent and saved items — including complete projects — right on the main page.

Downloads

On the product pages, you can download Installation and Operating Instructions, Data Booklets, Service Instructions, etc. in PDF format.

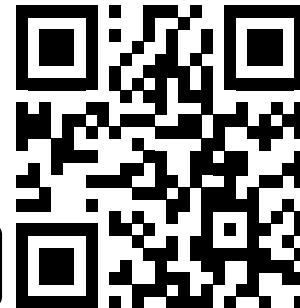
Grundfos GO

Mobile solution for professionals on the GO!

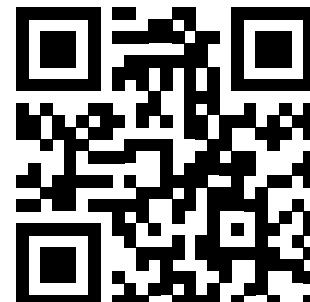
Grundfos GO is the mobile tool box for professional users on the go. It is the most comprehensive platform for mobile pump control and pump selection including sizing, replacement and documentation. It offers intuitive, handheld assistance and access to Grundfos online tools, and it saves valuable time for reporting and data collection.



GET IT ON
Google play



Available on the
App Store



Subject to alterations.

98822245 0216

ECM: 1177200

GRUNDFOS Chicago
3905 Enterprise Court
P.O. Box 6620
Aurora, IL 60598-0620
Phone: +1-630-236-5500
Fax: +1-630-236-5511

GRUNDFOS Kansas City
17100 West 118th Terrace
Olathe, Kansas 66061
Phone: +1-913-227-3400
Fax: +1-913-227-3500
www.grundfos.us

GRUNDFOS Canada
2941 Brighton Road
Oakville, Ontario L6H 6C9 Canada
Phone: +1-905 829 9533
Fax: +1-905 829 9512
www.grundfos.ca

GRUNDFOS México
Boulevard TLC No. 15
Parque Industrial Stiva Aeropuerto
C.P. 66600 Apodaca, N.L Mexico
Phone: +011-52-81-8144 4000
Fax: +011-52-81-8144 4010
www.grundfos.mx