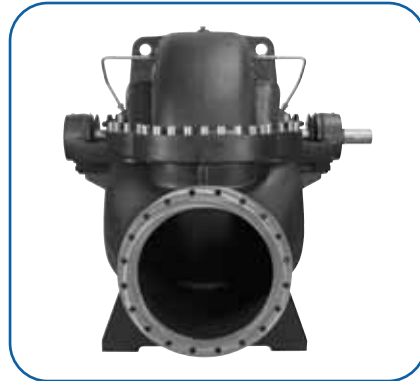


Componente Component	Materiale • Component			
		Standard	A richiesta • On request	
Cassa Case	Ghisa Cast iron	EN-GJL-250		
Coperchio Cover	Ghisa Cast iron	EN-GJL-250		
Supporti Supports	Ghisa Cast iron	EN-GJL-250		
Girante Impeller	Ghisa Cast iron	EN-GJL-250	Acciaio inossidabile Stainless steel	AISI316 (1.4408)
			Bronzo Bronze	G-CuSn10
Albero Shaft	Acciaio inossidabile Stainless steel	AISI431 (1.4057)	Acciaio inossidabile Stainless steel	DUPLEX (1.4362)
Tenuta Shaft seal	Baderna Soft packing		Tenuta meccanica Mechanical seal	



Altri materiali e versioni speciali a richiesta • *Materials and special versions upon request*



- La ditta si riserva la facoltà di modificare senza preavviso i dati riportati in questo catalogo.
- *Saer can alter without notifications the data mentioned in this catalogue.*

Prestazioni e tolleranze secondo UNI EN ISO 9906 - Appendice A
Performances and tolerances according to UNI EN ISO 9906 - Attachment A

SAER® ELETTROPOMPE

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Tel. 0522.83.09.41 r. a. • Fax 0522.82.69.48
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Cod. 230 - 11/2012



SKD

POMPE A CASSA DIVISA SPLIT-CASING PUMPS

IMPIEGHI

Impianti di ricircolo, di riscaldamento, di condizionamento, di recupero calore, impianti di approvvigionamento idrico, gruppi antincendio, sistemi di irrigazione, impianti di trattamento acque.

CARATTERISTICHE COSTRUTTIVE

Pompe a cassa divisa con girante radiale a doppia aspirazione, interamente realizzate in Italia.

Disegno a doppia voluta su tutta la serie:

- Assenza di vibrazioni
- Minima flessione dell'albero

Disegno idraulico ottimizzato con sistemi CFD per:

- Rendimenti elevati
- Bassi valori di NPSH

Materiali:

Cassa, coperchio e supporti: ghisa EN-GJL-250

Girante: ghisa EN-GJL-250, a richiesta acciaio inossidabile AISI316 microfuso, bronzo G-CuSn10

Albero: acciaio inossidabile AISI431, a richiesta albero in Duplex

Altri materiali speciali a richiesta

Versioni con tenuta meccanica o a baderna

Cuscinetti lubrificati a grasso o ad olio

DATI CARATTERISTICI

Q max = 4500 m³/h

Hmax = 180 m

Velocità di rotazione: versioni da 750 fino a 3550 1/min

Bocche: da DN 125 fino a DN 500

Pressione nominale di funzionamento: fino a PN25

INSTALLAZIONE E CARATTERISTICHE DI FUNZIONAMENTO

Installazione orizzontale o verticale

La forma simmetrica consente di posizionare il lato comando indifferentemente su entrambi i lati della pompa.

Liquido: acqua pulita, priva di corpi solidi o particelle abrasive. Densità 1000 kg/m³

Temperatura del liquido pompato: -15°C / +120°C

TOLLERANZE PRESTAZIONI

Pompe: UNI EN ISO 9906 Appendice A, a richiesta livello 1.

VERSIONI SPECIALI

Versioni in materiali speciali

USES

Recirculating plants, heating, air conditioning, heat recovery, plants of water supply procurement, fire-fighting systems, irrigation systems, process plant.

CONSTRUCTIVE CHARACTERISTICS

Axial split case pump with double suction radial impeller, totally made in Italy. Double volute design:

- Low vibration
- No shaft flexion

CFD hydraulic design:

- High efficiency
- Low NPSH

Materials:

Case, cover and supports: cast iron EN-GJL-250

Impeller: cast iron EN-GJL-250, stainless steel AISI316 or bronze G-CuSn10 on request

Shaft: stainless steel AISI431, Duplex on request

Other materials on request

Soft packing or mechanical seal versions

Grease lubricated or oil lubricated bearings on request

FEATURES

Q max = 4500 m³/h

Hmax = 180 m

Rotation: from 750 up 3550 rpm versions

From DN 125 up to DN 500

Working pressure: up to PN25

INSTALLATION AND OPERATION CHARACTERISTICS

Horizontal or vertical

The symmetrical construction allows the drive to be positioned on either side of the pump.

Liquid: clear or slightly polluted water, without abrasive or solid components.

Density: 1000 kg/m³

Temperature of the pumped liquid: -15°C / +120°C

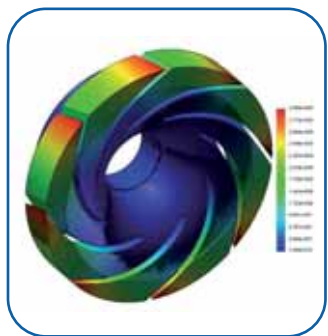
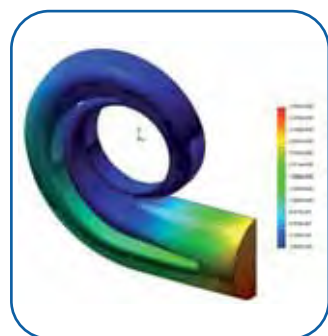
PERFORMANCE TOLERANCES

Pumps: UNI EN ISO 9906 Appendix A, level 1 on request.

SPECIAL VERSIONS

Special materials on request

CFD Design



SKD

CARATTERISTICHE IDRAULICHE HYDRAULIC FEATURES

1450 1/min

Tipo Type	Q (m ³ /h)	H (m)	P (kW)
SKD 125-270	125÷340	26÷17	30
SKD 125-335	175÷375	40÷24	37
SKD 150-400	200÷490	58÷38	75
SKD 200-630	400÷1075	136÷97	450
SKD 250-400	600÷1380	48÷31	160
SKD 250-450	600÷1560	68÷44	280
SKD 250-560	700÷1350	110÷85	400
SKD 250-630	600÷1400	132÷105	560
SKD 250-750	650÷1800	205÷145	1000

2950 1/min

Tipo Type	Q (m ³ /h)	H (m)	P (kW)
SKD 125-270	250÷675	102÷68	200
SKD 125-335	350÷750	160÷94	315

SKD 500 -550

Tipo Type	Q (m ³ /h)	H (m)	P (kW)	1/min
SKD 500-550A	2000÷4000	40÷33	450	1000
SKD 500-550A	2500÷4000	21÷8	200	750
SKD 500-550B	2500÷4000	19÷6	200	750

1/2 Anello di usura: doppio anello di usura, pompa provvista di anelli di usura lato corpo pompa e lato girante

3 Albero:

- Albero in acciaio inossidabile ampiamente dimensionato per i carichi trasmessi.
- Albero protetto tramite premistoppa con bussole in acciaio inossidabile o bronzo
- Presenza di O ring all'interno delle bussole per eliminare i giochi con l'albero

4/8 Corpo pompa:

- design a doppia voluta: soluzione per ridurre le spinte radiali sui cuscinetti rispetto alla singola voluta
- Disegno idraulico per alta efficienza.

5 Baderna (standard) o tenuta meccanica (a richiesta)

6 Girante:

- Ottenuta da un'unica fusione, con doppia aspirazione.
- Eliminazione dei carichi assiali sui cuscinetti tramite il design a doppia aspirazione.
- Ogni girante è bilanciata staticamente e dinamicamente.
- Girante calettata sull'albero ed assialmente bloccata da due semianelli: soluzione che facilita il disassemblaggio rispetto la presenza di bussole filettate.

7 Cuscinetti:

- Due cuscinetti sovradimensionati lubrificati a grasso con ingrassatore.
- Il supporto è accuratamente sigillato su entrambi i lati al fine di evitare l'infiltrazione di acqua o altri contaminanti
- I cuscinetti sono protetti dall'ingresso di liquidi tramite tenute di gomma.
- Cuscinetti a lunga durata progettati per una vita media di 100.000 ore, in funzionamento continuo (MTBF).

1750 1/min

Tipo Type	Q (m ³ /h)	H (m)	P (kW)
SKD 125-270	150÷410	37÷24	55
SKD 125-335	200÷450	58÷35	75
SKD 150-400	240÷590	84÷55	132
SKD 200-630	480÷1290	196÷140	800
SKD 250-400	720÷1650	69÷45	280
SKD 250-450	720÷1870	98÷63	500
SKD 250-560	840÷1620	158÷122	710
SKD 250-630	720÷1680	190÷151	1000

3550 1/min

Tipo Type	Q (m ³ /h)	H (m)	P (kW)
SKD 125-270	300÷800	146÷98	355



1/2 Wear ring: double wear ring, pump fitted with casing wear ring and impeller wear ring

3 Shaft:

- The shaft is made of stainless steel, adequately sized for the loads transmitted.
- The shaft is protected through the stuffing box with stainless steel or bronze sleeve.
- The sleeves are fitted with O rings with inside diameters to eliminate leakage between the shaft and the sleeve.

4/8 Casing:

- Double design volute: the radial thrust on the bearing is minimum and lower than the one with single volute design.
- High efficiency design.

5 Soft packing (standard) or mechanical (on request)

6 Impeller:

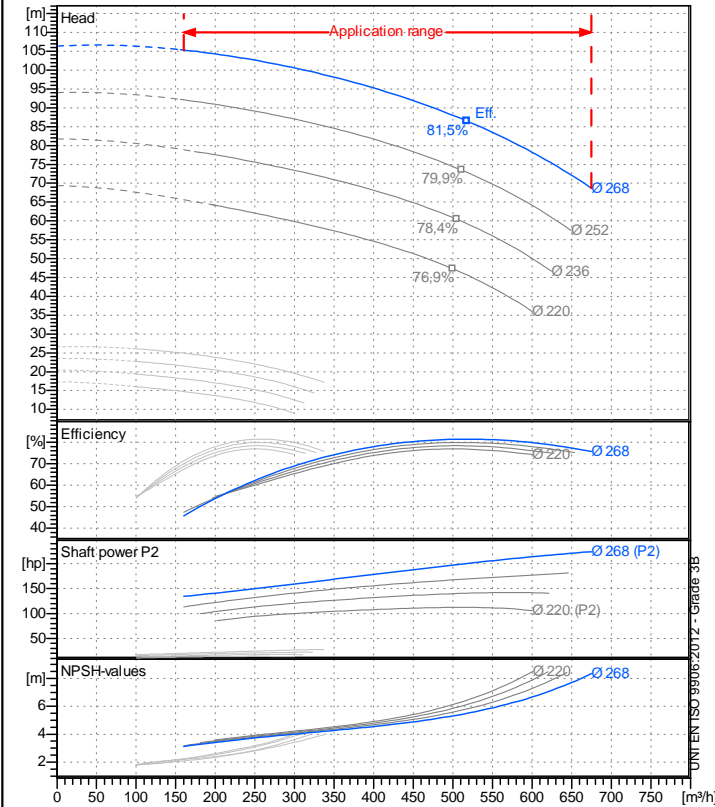
- One piece casted impeller, with double suction.
- Due to the impeller double suction design there's no axial thrust on the bearings.
- Every impeller is balanced statically and dynamically.
- Impeller keyed to the shaft and axially fixed by two half rings: due to this solution, maintenance and impeller dismantling are simpler than the one with threaded shaft sleeves.

7 Bearings:

- Two heavy duty type bearings grease lubricated with grease flush through the bearing housing.
- The bearing bracket is carefully sealed off on both sides to prevent water or contaminants from seeping in.
- The bearing are protected from liquid entry by means of rubber seals
- Long life bearing designed for an average life of 100.000 hours, continuous running (MTBF).

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

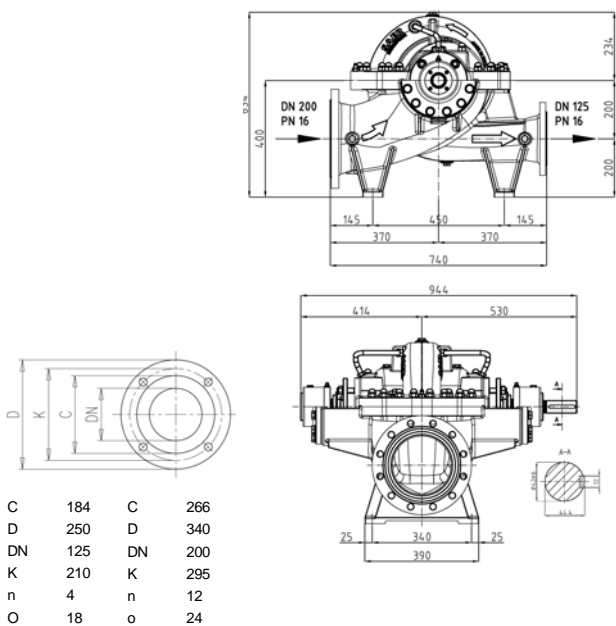
Nominal flow	m³/h 0
Nominal head	m 0
Static head	m 0
NPSH - v value of plant	m 0
Inlet pressure	bar 0,09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m³ 998,3
Kin. viscosity at t A	mm²/s 1,005

Pump

Pump name	SKD 125-270		
Size			
Design			
Speed rpm	2900	No of stages	1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h	675
	Min-	m³/h	160
Head	Nominal	m	
	Max-	m	105
	Min-	m	68,7
Head H(Q=0)	m		106
NPSH 3%	m		
Max. working pressure	bar		10,4
Shaft power	hp		
Efficiency	%		
Max absorbed power	hp		224,14

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)		
Impeller	Cast iron EN-GJL-250		
Pump body	Cast iron EN-GJL-250		
Cover	Cast iron EN-GJL-250		
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)		
Wear rings - pump body side	Bronze G- CuSn10		
Shaft seal bushing	Stainless steel AISI 304 (1.4301)		
Packing seal			
Packing	PTFE Fiber		
Motor	Frame size		
Manufacturer / Type			
Rated power	hp	Efficiency	4/4
Electric current	A	Speed	rpm
Electric voltage	V		Hz
Starting mode			
Degree of protection			Insulation class

Dimensions in mm


C	184	C	266
D	250	D	340
DN	125	DN	200
K	210	K	295
n	4	n	12
O	18	o	24

Remarks:

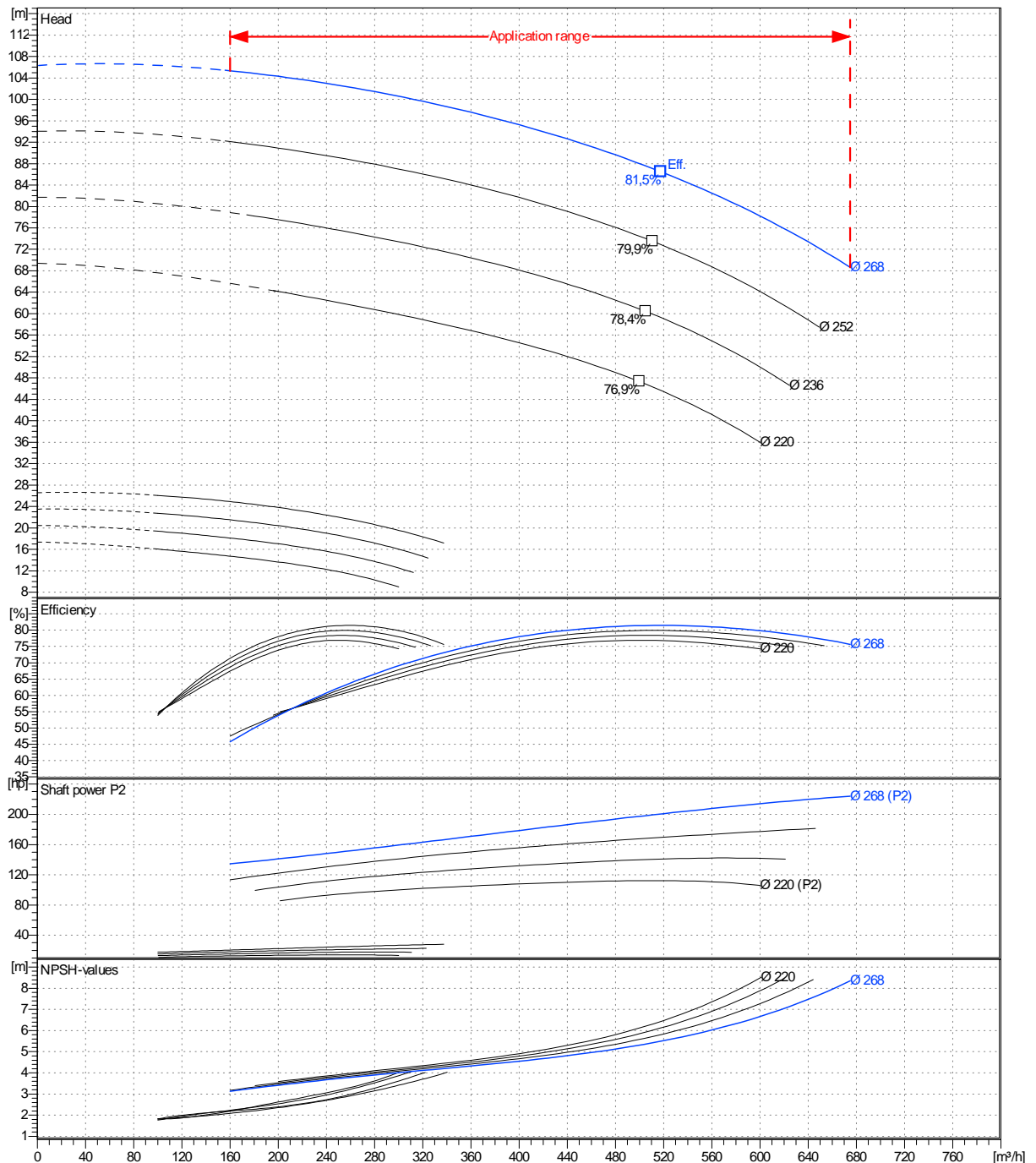
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			2013-12-18	

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN125
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	m ³ /h m ³ /h m ³ /h	m m	hp hp hp
	160 675 518	106 86,5	224 201
			Speed rpm 2900
			Frequency Hz

Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s

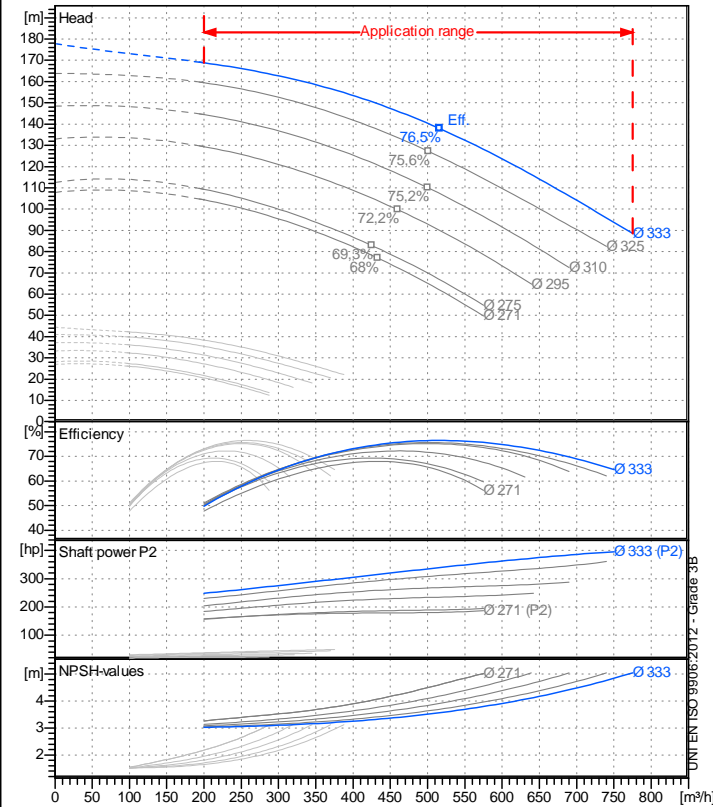
UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

Nominal flow	m ³ /h	0
Nominal head	m	0
Static head	m	0
NPSH - v value of plant	m	0
Inlet pressure	bar	0,09793
Fluid		Water, pure
Operating temperature t A	°C	20
Density at t A	kg/m ³	998,3
Kin. viscosity at t A	mm ² /s	1,005

Pump

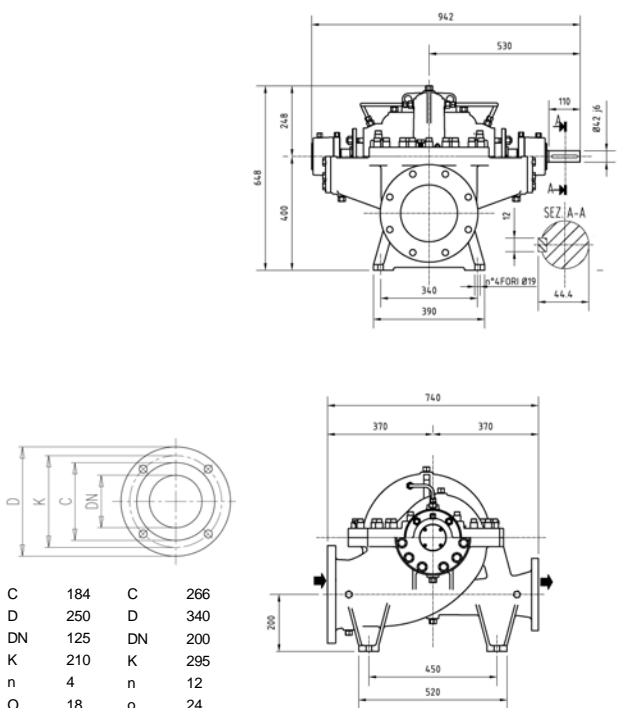
Pump name		SKD 125-335	
Size			
Design			
Speed	rpm	2900	No of stages
Impeller type			
Flow	Nominal	m ³ /h	
	Max-	m ³ /h	775
	Min-	m ³ /h	200
Head	Nominal	m	
	Max-	m	169
	Min-	m	88,6
Head H(Q=0)		m	178
NPSH 3%		m	
Max. working pressure		bar	17,4
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp	395,48

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Cover	Cast iron EN-GJL-250
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor		Frame size	
Manufacturer / Type			
Rated power	hp	Efficiency 4/4	
Electric current	A	Speed	rpm
Electric voltage	V	Hz	
Starting mode			
Degree of protection		Insulation class	

Remarks:

Dimensions in mm


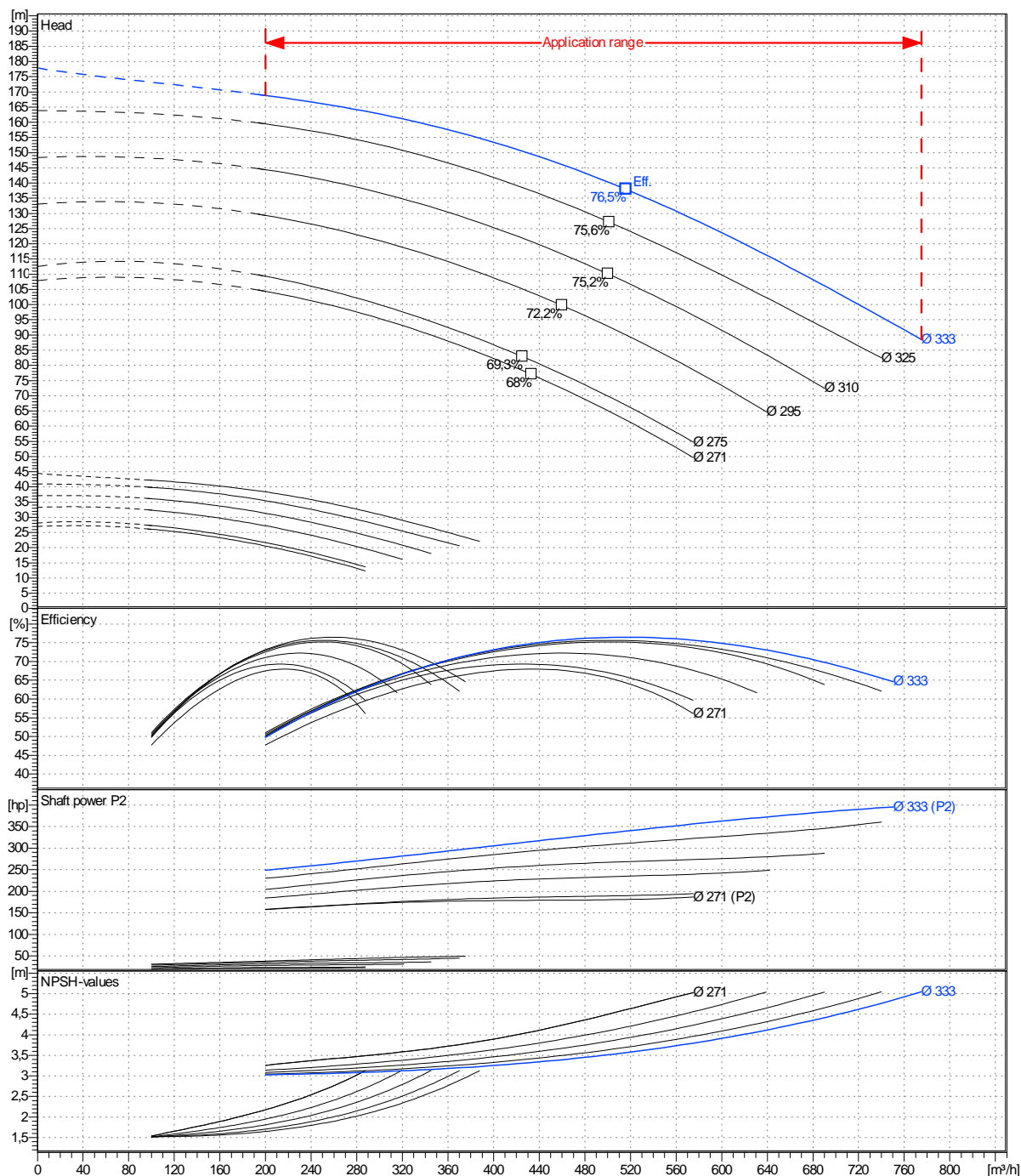
Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver		From	
Company name			
Respons. Department			
Person in charge			
Phone number			
Fax no			
E-mail address			

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN125
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	m ³ /h m ³ /h m ³ /h	m m	hp hp hp
	200 775 516	178 138	395 339
			Speed rpm 2900
			Frequency Hz

Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s

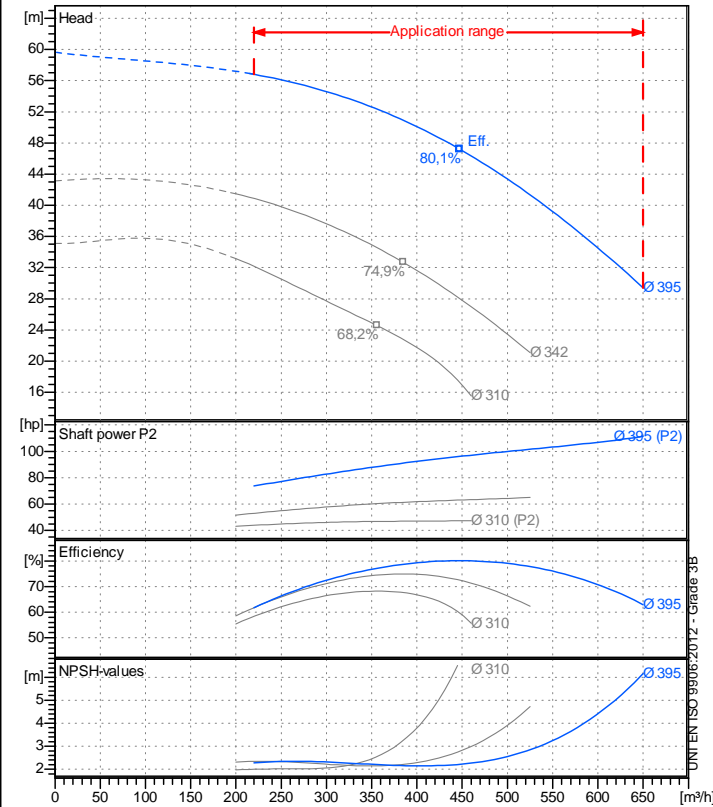
UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

Nominal flow	m ³ /h 0
Nominal head	m 0
Static head	m 0
NPSH - v alue of plant	m 0
Inlet pressure	bar 0,09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m ³ 998,3
Kin. viscosity at t A	mm ² /s 1,005

Pump

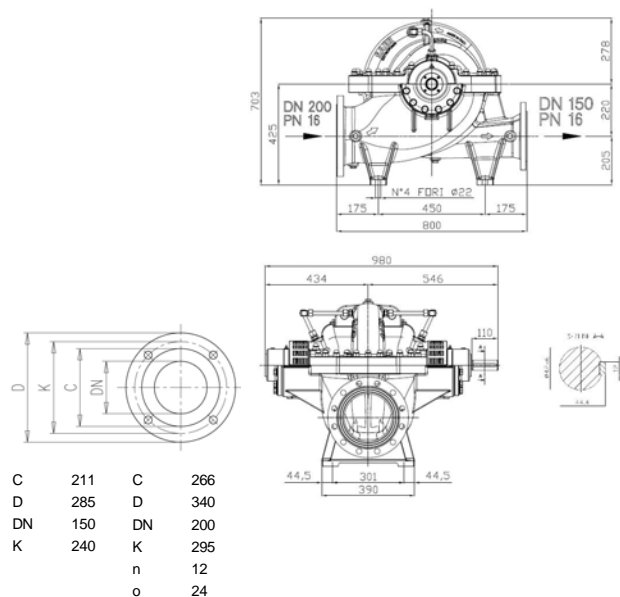
Pump name	SKD 150-400		
Size			
Design			
Speed rpm	1450	No of stages	1
Impeller type			
Flow	Nominal	m ³ /h	
	Max-	m ³ /h	650
	Min-	m ³ /h	220
Head	Nominal	m	
	Max-	m	56,8
	Min-	m	29,4
Head H(Q=0)	m	59,6	
NPSH 3%	m		
Max. working pressure	bar	5,84	
Shaft power	hp		
Efficiency	%		
Max absorbed power	hp	111,32	

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Cover	Cast iron EN-GJL-250
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor	Frame size	
Manufacturer / Type		
Rated power	hp	Efficiency 4/4
Electric current	A	Speed rpm
Electric voltage	V	Hz
Starting mode		
Degree of protection		Insulation class

Remarks:

Dimensions in mm


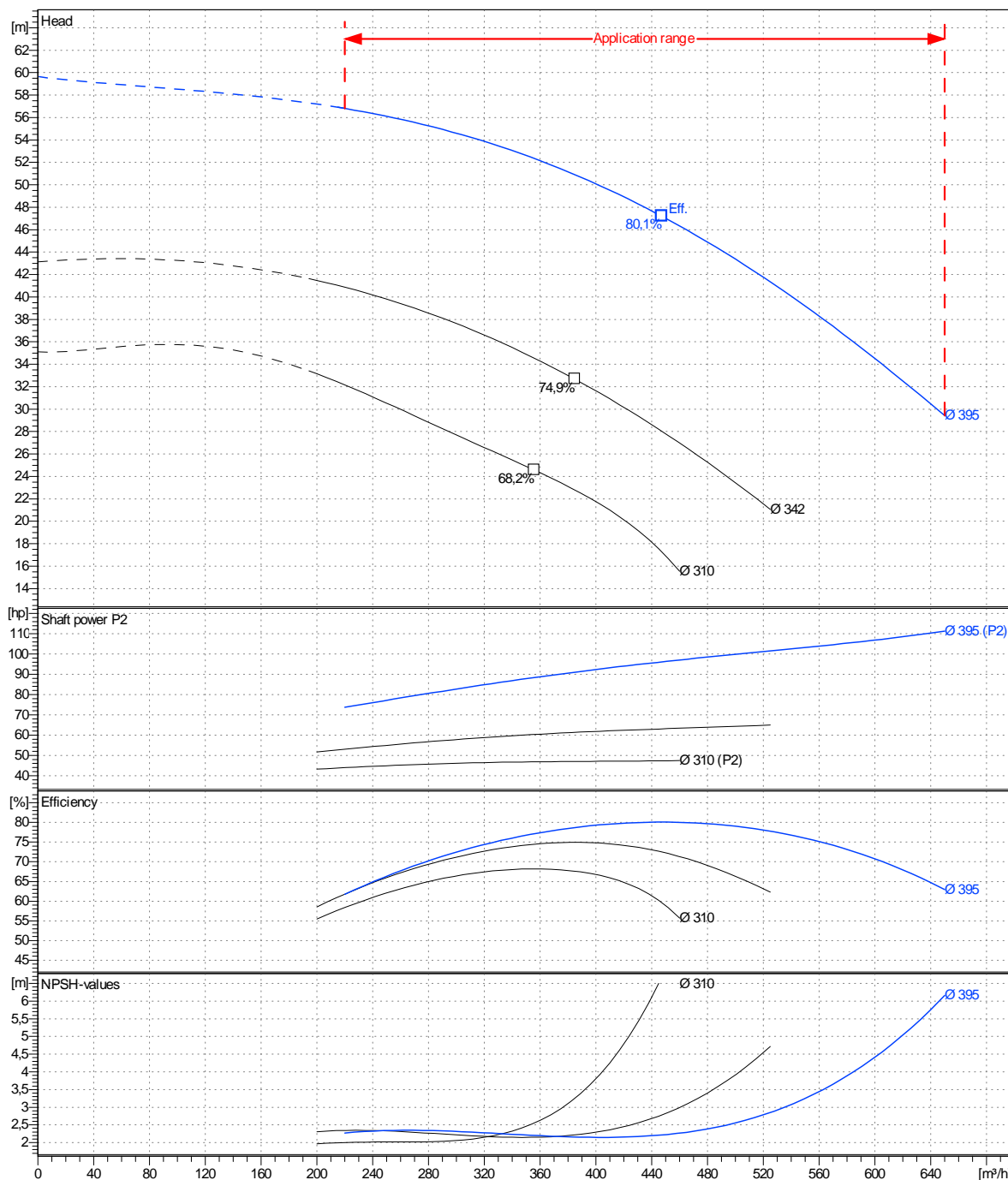
Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN150
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	m ³ /h m ³ /h m ³ /h	m m	hp hp hp
	220 650 447	59,6 47,2	111 96,1
			Speed rpm 1450
			Frequency Hz

Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s

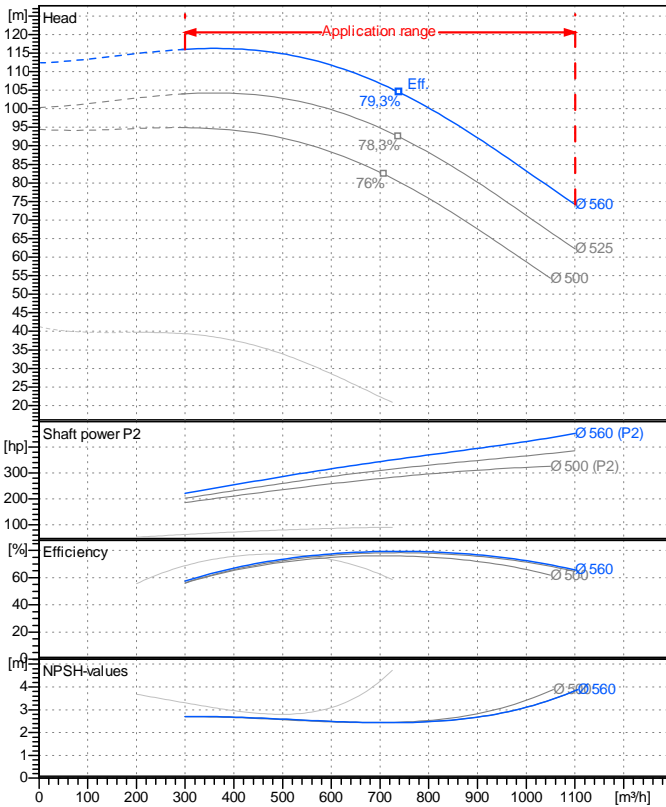
UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

Nominal flow	m³/h 0
Nominal head	m 0
Static head	m 0
NPSH - v alue of plant	m 0
Inlet pressure	bar 0,09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m³ 998,3
Kin. viscosity at t A	mm²/s 1,005

Pump

Pump name	SKD 200-630		
Size			
Design			
Speed rpm	1450	No of stages	1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h	1100
	Min-	m³/h	300
Head	Nominal	m	
	Max-	m	116
	Min-	m	74,2
Head H(Q=0)	m	112	
NPSH 3%	m		
Max. working pressure	bar	11	
Shaft power	hp		
Efficiency	%		
Max absorbed power	hp	452,12	

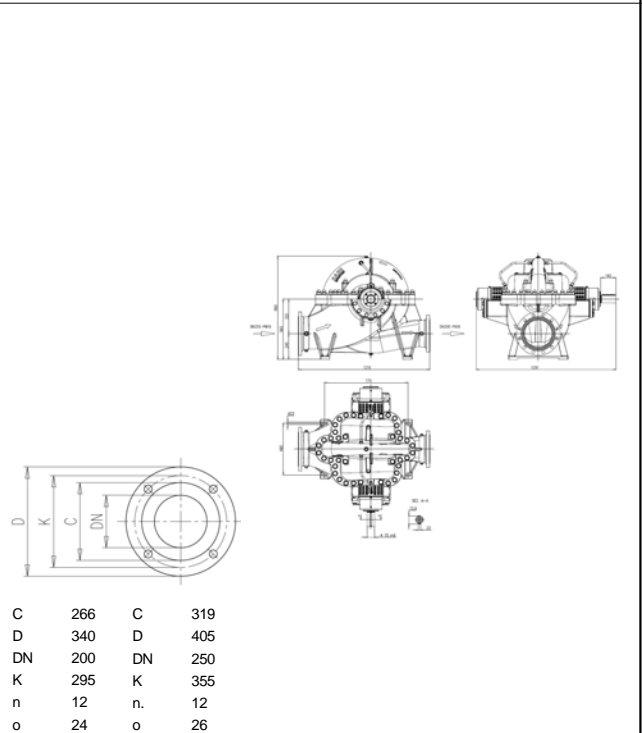
Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Cover	Cast iron EN-GJL-250
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor	Frame size	
Manufacturer / Type		
Rated power	hp	Efficiency 4/4
Electric current	A	Speed rpm
Electric voltage	V	Hz
Starting mode		
Degree of protection		Insulation class

Remarks:

Project	Project ID	Created by	Created on	Last update
			2013-12-18	

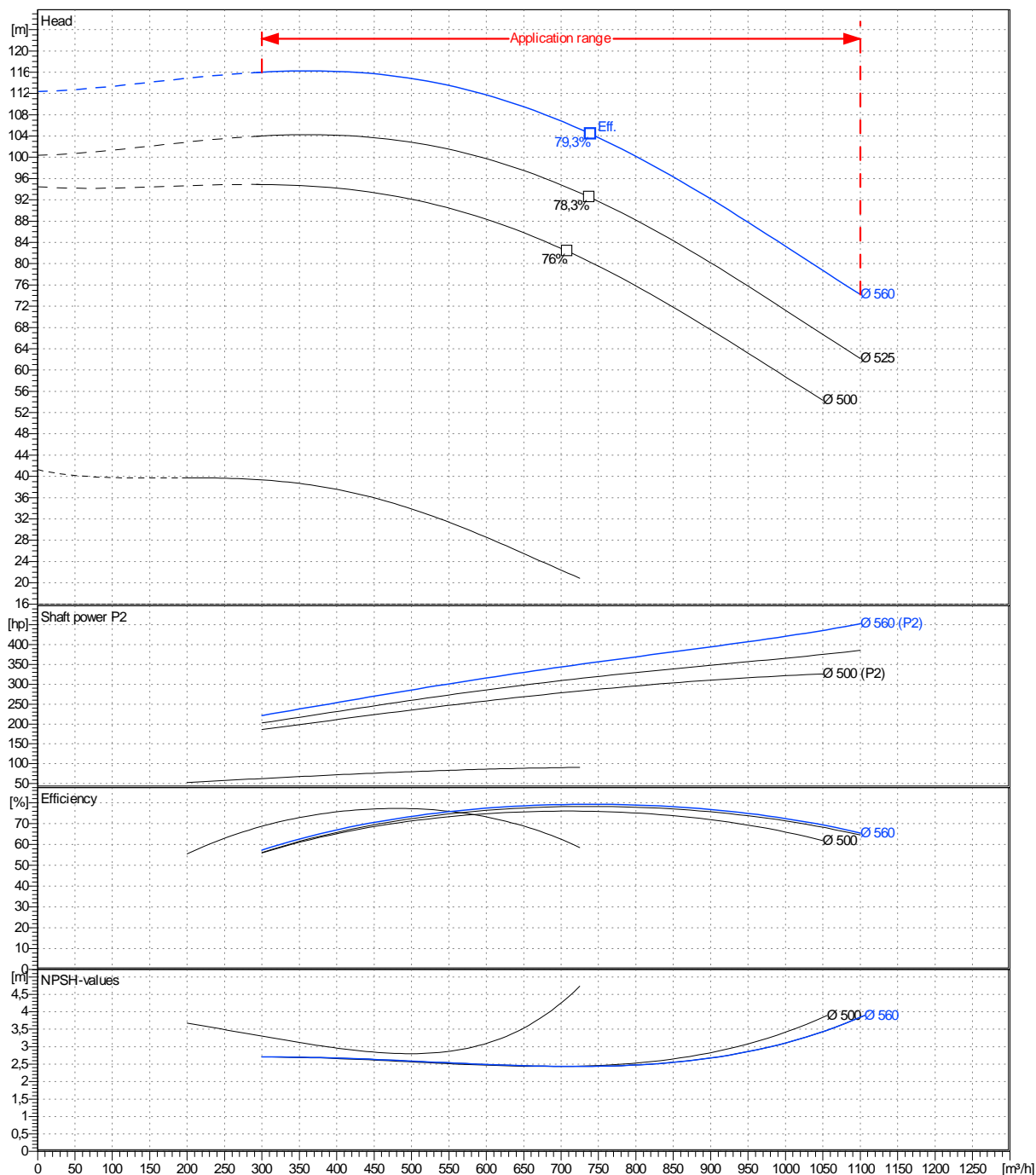
Dimensions in mm


Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN200
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	m ³ /h m ³ /h m ³ /h	m m	hp hp hp
	300 1100 740	112 104	452 354
			Speed rpm 1450
			Frequency Hz

Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s

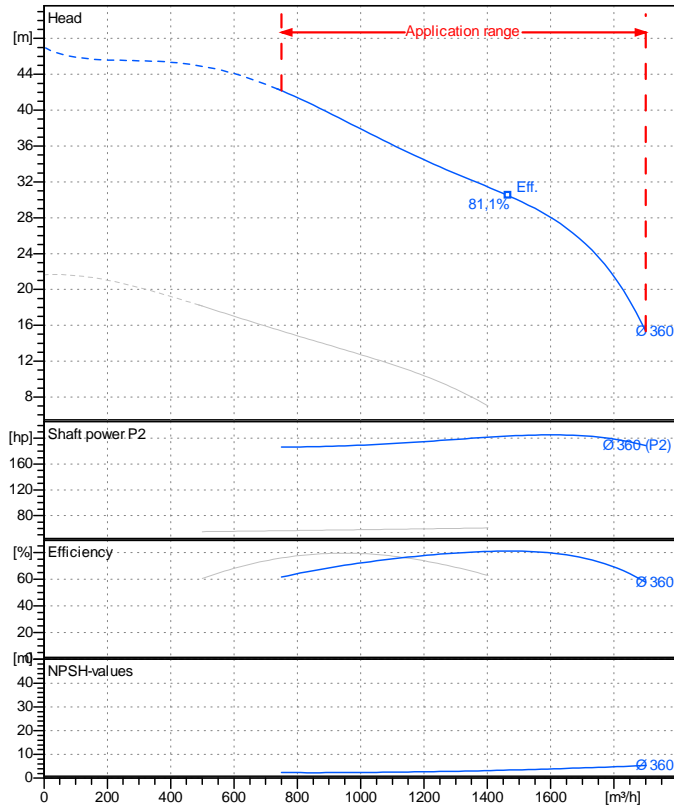
UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on 2013-12-18	Last update
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Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

Nominal flow	m ³ /h 0
Nominal head	m 0
Static head	m 0
NPSH - v value of plant	m 0
Inlet pressure	bar 0,09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m ³ 998,3
Kin. viscosity at t A	mm ² /s 1,005

Pump

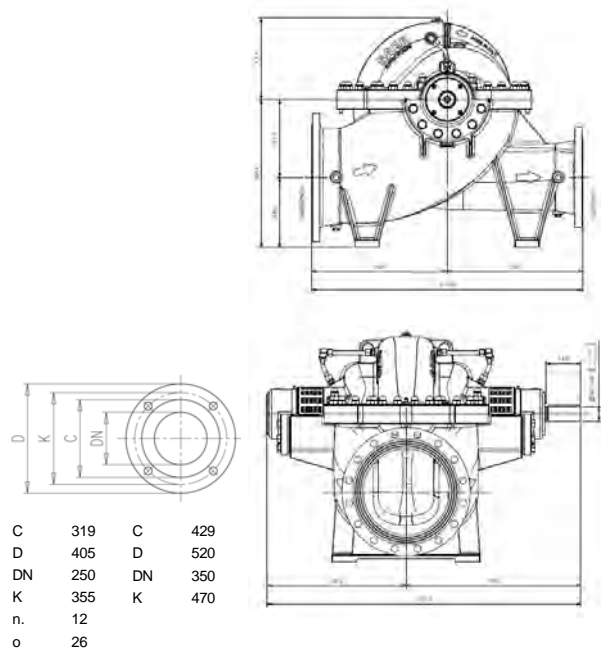
Pump name		SKD 250-400	
Size			
Design			
Speed	rpm 1450	No of stages	1
Impeller type			
Flow	Nominal	m ³ /h	
	Max-	m ³ /h	1900
	Min-	m ³ /h	750
Head	Nominal	m	
	Max-	m	42,2
	Min-	m	15,4
Head H(Q=0)		m	46,9
NPSH 3%		m	
Max. working pressure		bar	4,6
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp	205,34

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Cover	Cast iron EN-GJL-250
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor		Frame size	
Manufacturer / Type			
Rated power	hp	Efficiency	4/4
Electric current	A	Speed	rpm
Electric voltage	V		Hz
Starting mode			
Degree of protection		Insulation class	

Remarks:

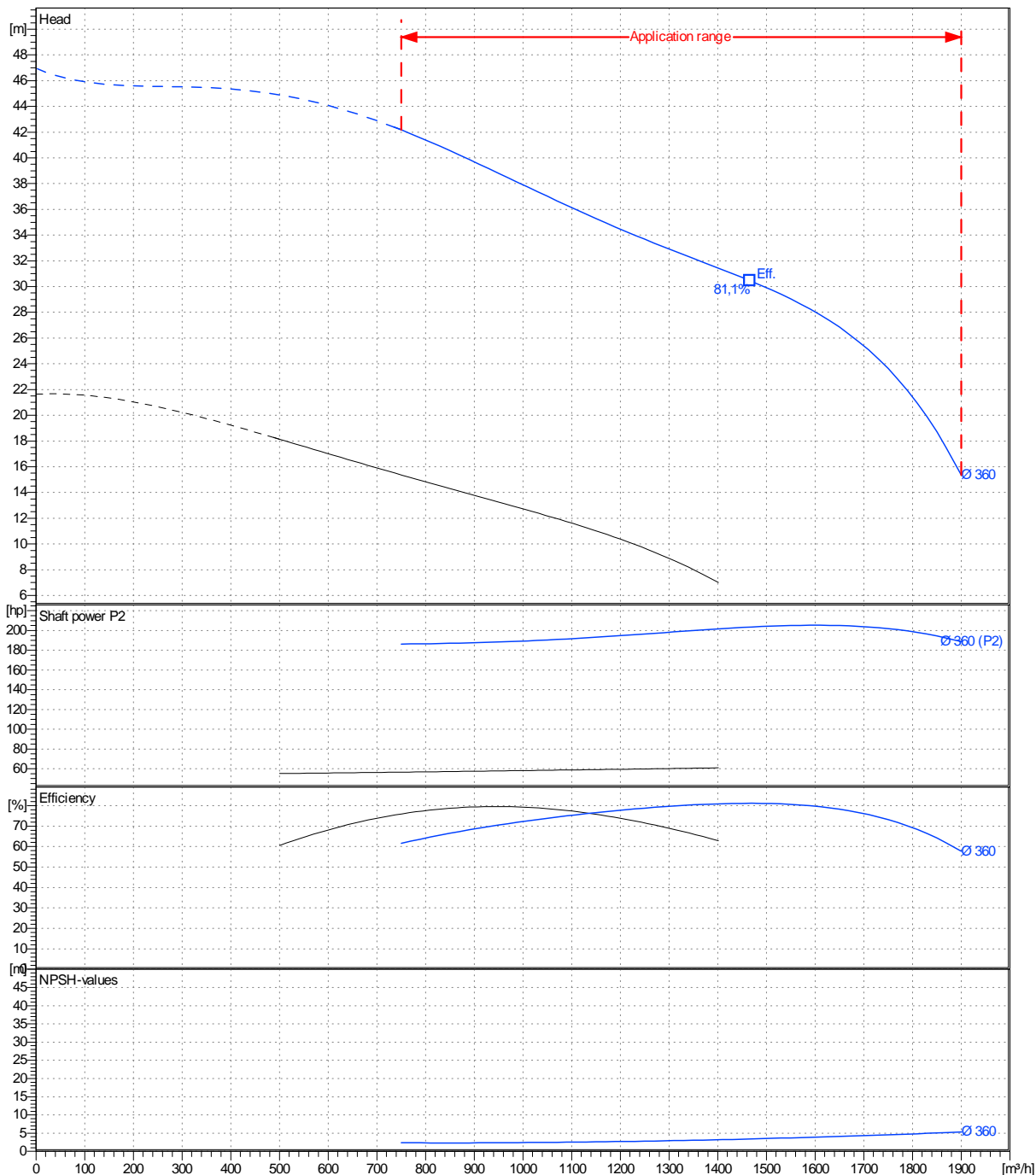
Dimensions in mm


Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN250
			Speed
			rpm 1450
			Frequency
			Hz

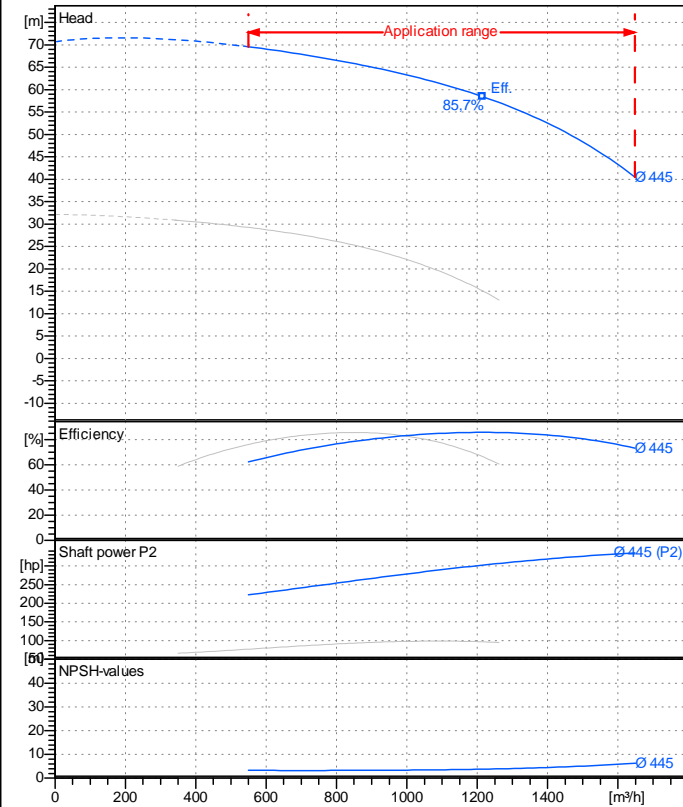
Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

Nominal flow	m³/h 0
Nominal head	m 0
Static head	m 0
NPSH - v value of plant	m 0
Inlet pressure	bar 0,09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m³ 998,3
Kin. viscosity at t A	mm²/s 1,005

Pump

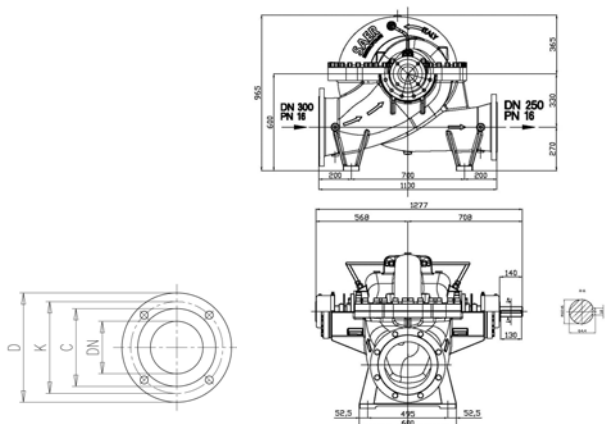
Pump name		SKD 250-450	
Size			
Design			
Speed	rpm	1450	No of stages 1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h 1650	
	Min-	m³/h 550	
Head	Nominal	m	
	Max-	m 69,6	
	Min-	m 40,4	
Head H(Q=0)		m 70,7	
NPSH 3%		m	
Max. working pressure		bar 6,92	
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp 335,1	

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Cover	Cast iron EN-GJL-250
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor		Frame size	
Manufacturer / Type			
Rated power	hp	Efficiency	4/4
Electric current	A	Speed	rpm
Electric voltage	V		Hz
Starting mode			
Degree of protection		Insulation class	

Remarks:

Dimensions in mm


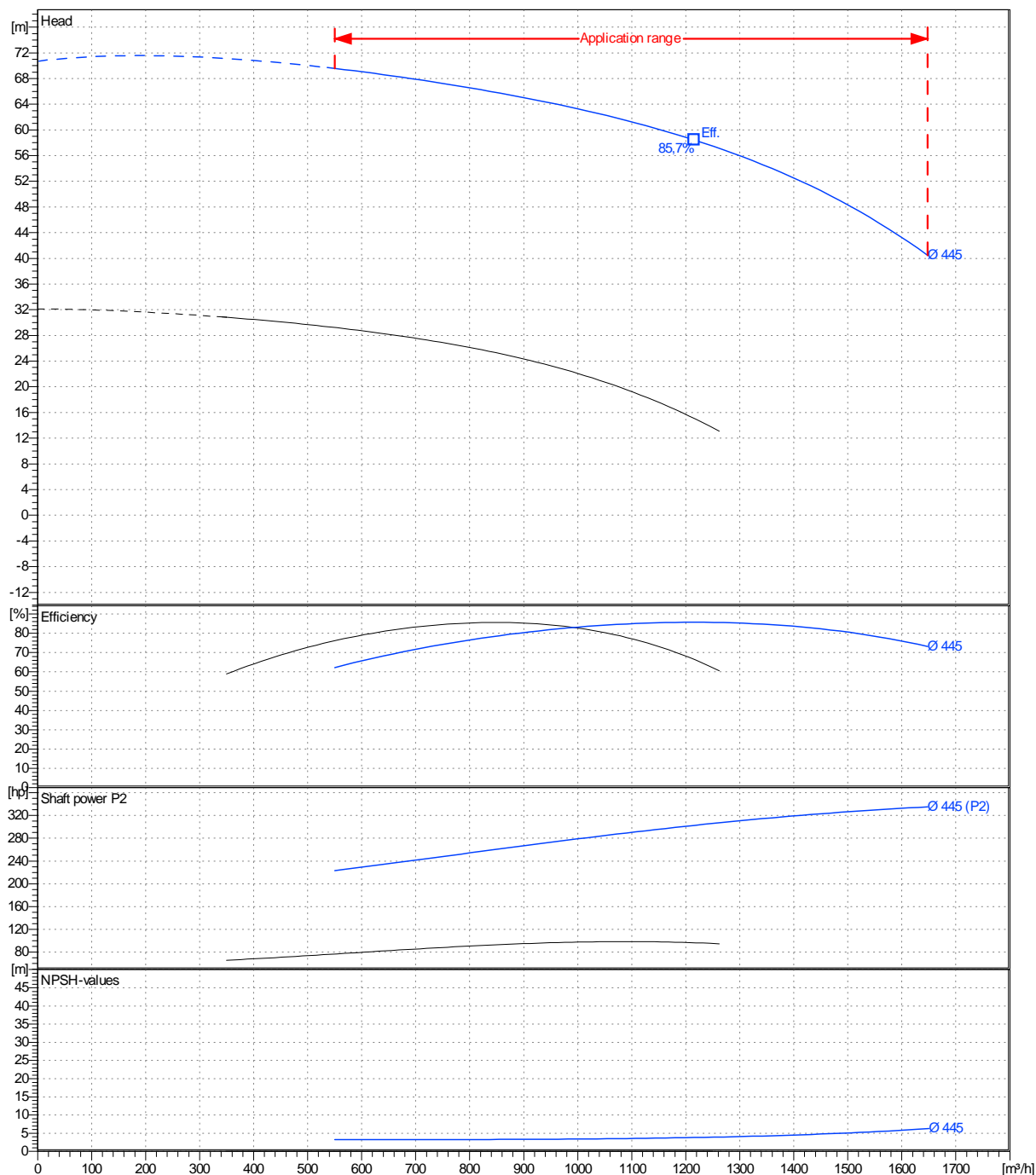
C	319	C	370
D	405	D	460
DN	250	DN	300
K	355	K	410
n.	12		
o	26		

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction: Closed
Pump data	m ³ /h	m	Sense of rotation: Clockwise from the drive end
			Outlet width: DN250
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	m ³ /h m ³ /h m ³ /h	m m	hp hp hp
	550 1650 1220	70,7 58,4	335 303
			Speed rpm: 1450
			Frequency Hz

Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s

UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

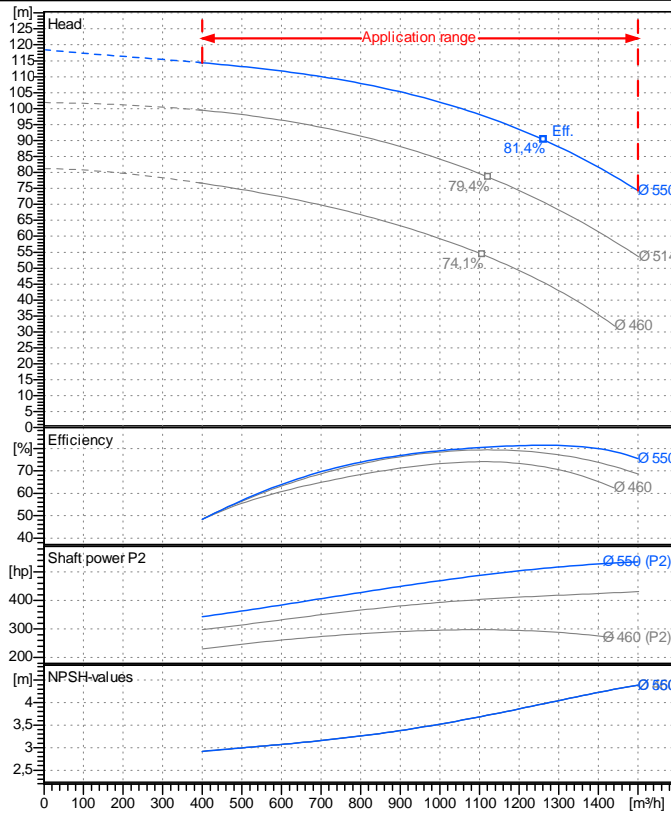
Company name
Respons. Department
Person in charge
Phone number
Fax no
E-mail address

Receiver

From

Operating data specification

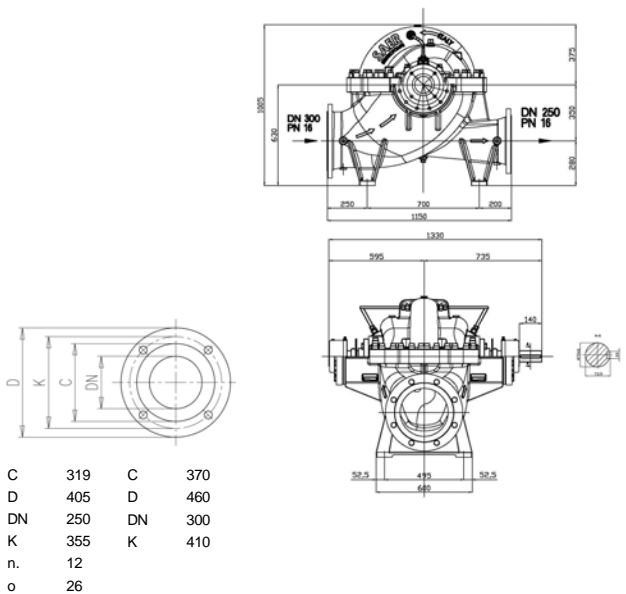
Nominal flow	m ³ /h 0
Nominal head	m 0
Static head	m 0
NPSH - v value of plant	m 0
Inlet pressure	bar 0,09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m ³ 998,3
Kin. viscosity at t A	mm ² /s 1,005

**Pump**

Pump name	SKD 250-560	
Size		
Design		
Speed rpm	1450	No of stages 1
Impeller type		
Flow	Nominal	m ³ /h
	Max-	m ³ /h 1500
	Min-	m ³ /h 400
Head	Nominal	m
	Max-	m 114
	Min-	m 74,3
Head H(Q=0)	m 118	
NPSH 3%	m	
Max. working pressure	bar 11,6	
Shaft power	hp	
Efficiency	%	
Max absorbed power	hp 535,29	

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)		
Impeller	Cast iron EN-GJL-250		
Pump body	Cast iron EN-GJL-250		
Cover	Cast iron EN-GJL-250		
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)		
Wear rings - pump body side	Bronze G- CuSn10		
Shaft seal bushing	Stainless steel AISI 304 (1.4301)		
Packing seal			
Packing	PTFE Fiber		
Motor	Frame size		
Manufacturer / Type			
Rated power	hp	Efficiency	4/4
Electric current	A	Speed	rpm
Electric voltage	V		Hz
Starting mode			
Degree of protection		Insulation class	

Dimensions in mm

Remarks:

Project

Project ID

Created by

Created on
2013-12-18

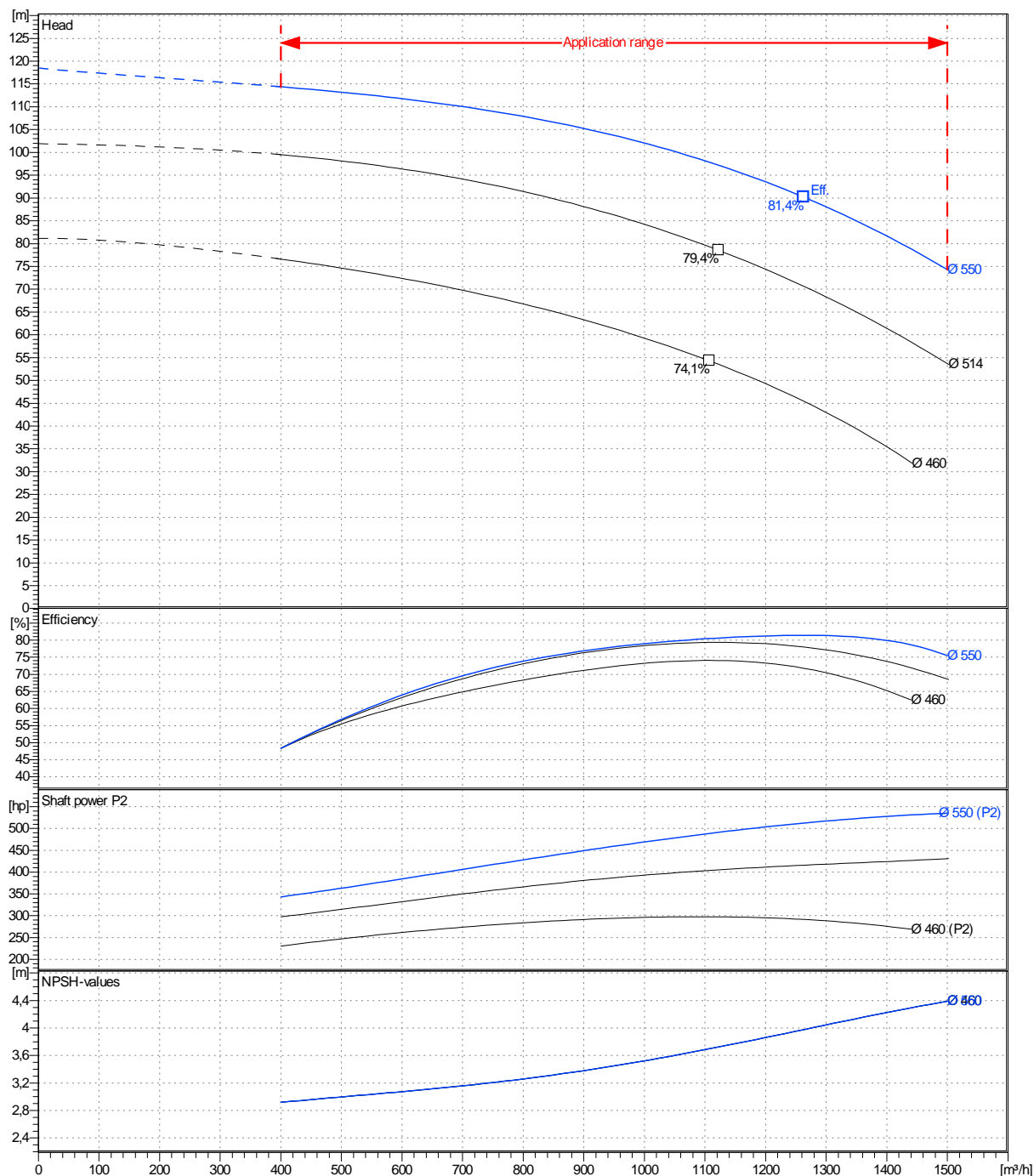
Last update

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN250
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	m ³ /h m ³ /h m ³ /h	m m	hp hp hp
	400 1500 1260	118 90,2	535 513
			Speed rpm 1450
			Frequency Hz

Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s

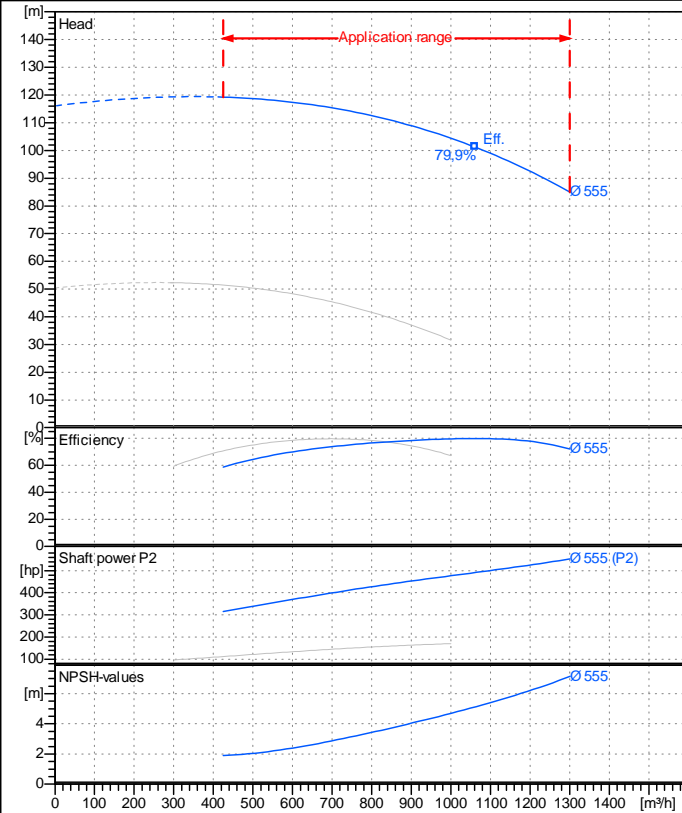
UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

Nominal flow	m ³ /h 0
Nominal head	m 0
Static head	m 0
NPSH - v alue of plant	m 0
Inlet pressure	bar 0,09793
Fluid	Water, pure
Operating temperature t A	°C 20
Density at t A	kg/m ³ 998,3
Kin. viscosity at t A	mm ² /s 1,005

Pump

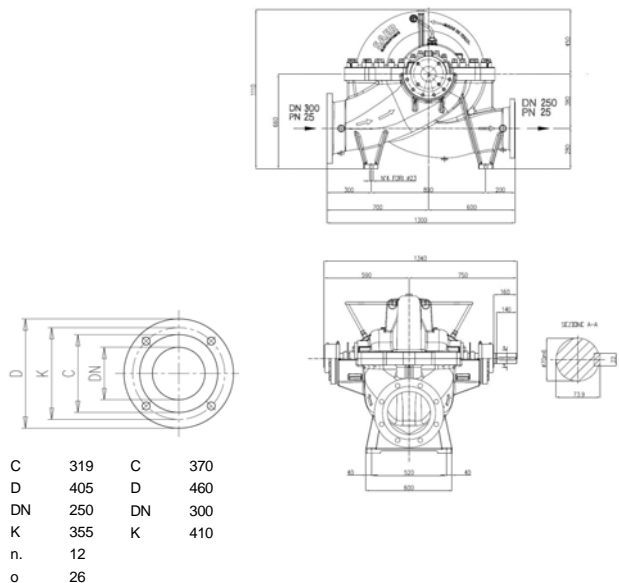
Pump name	SKD 250-630		
Size			
Design			
Speed rpm	1450	No of stages	1
Impeller type			
Flow	Nominal	m ³ /h	
	Max-	m ³ /h	1300
	Min-	m ³ /h	425
Head	Nominal	m	
	Max-	m	119
	Min-	m	85,1
Head H(Q=0)	m	116	
NPSH 3%	m		
Max. working pressure	bar	11,4	
Shaft power	hp		
Efficiency	%		
Max absorbed power	hp	553,3	

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Spheroidal Cast iron EN-GJS-500
Pump body	Spheroidal Cast iron EN-GJS-500
Cover	Spheroidal Cast iron EN-GJS-500
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor	Frame size	
Manufacturer / Type		
Rated power	hp	Efficiency 4/4
Electric current	A	Speed rpm
Electric voltage	V	Hz
Starting mode		
Degree of protection		Insulation class

Remarks:

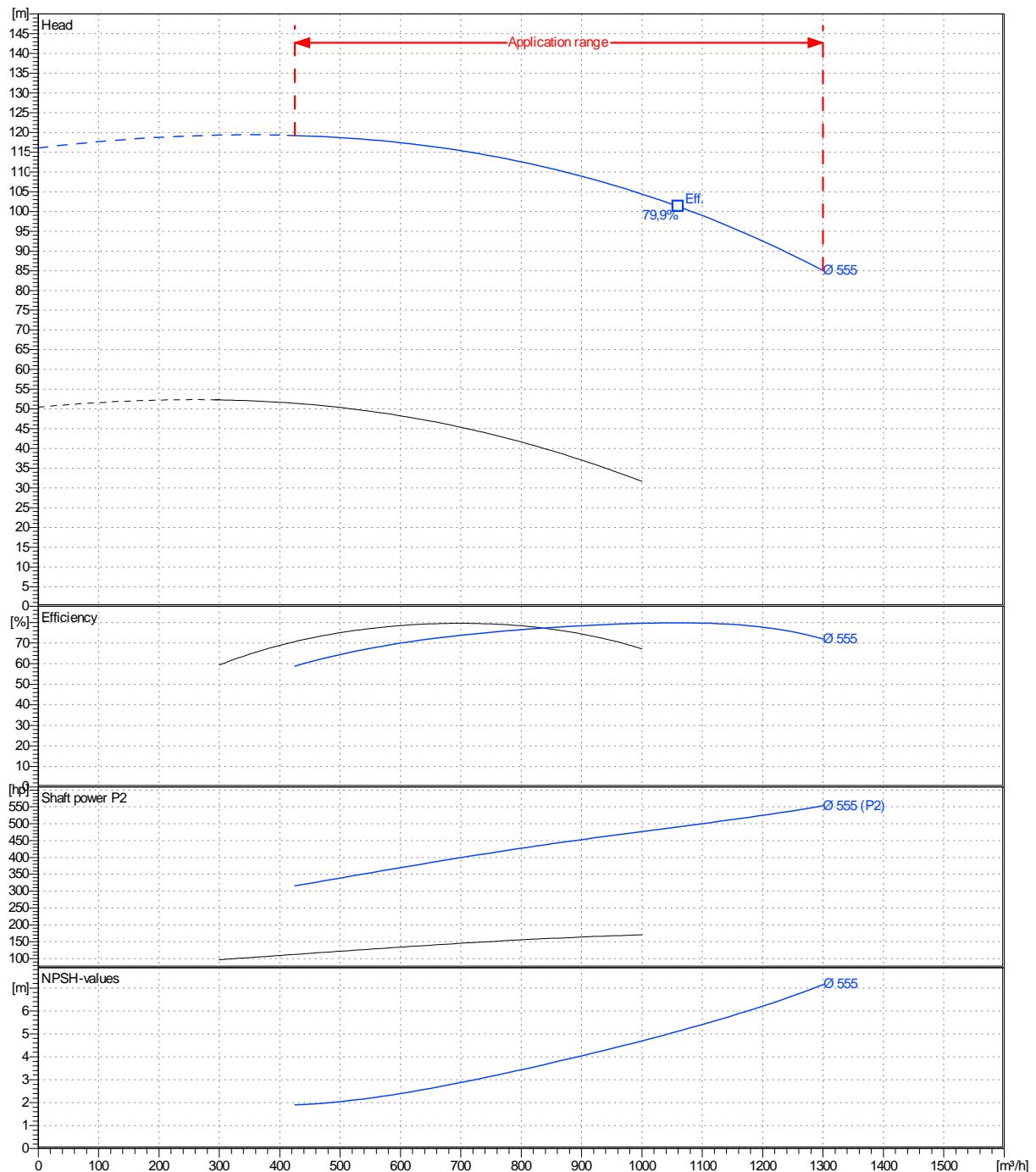
Dimensions in mm


C	319	C	370
D	405	D	460
DN	250	DN	300
K	355	K	410
n.	12		
o	26		

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Outlet width
			DN250
			Speed rpm
			1450
			Frequency Hz

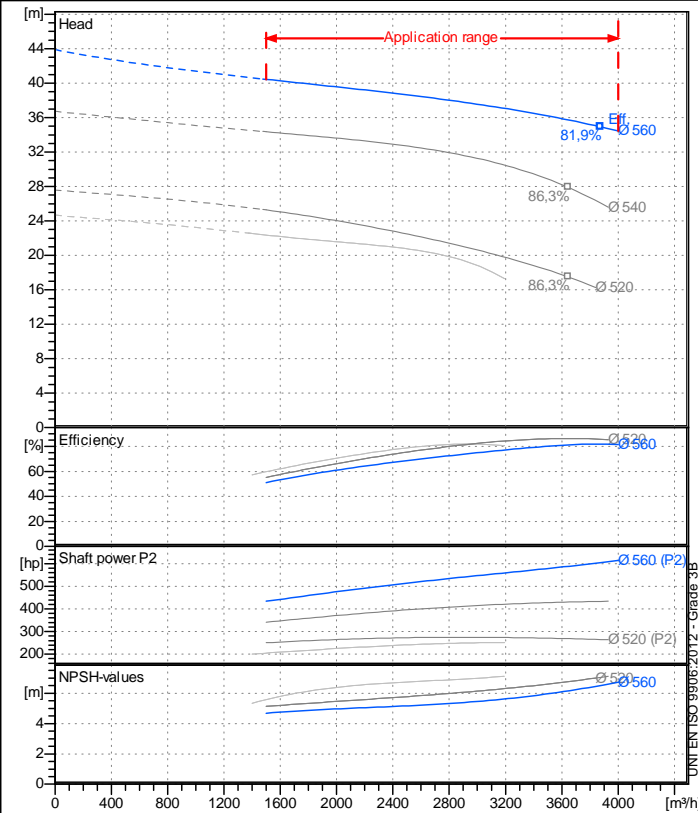
Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address


Operating data specification

Nominal flow	m³/h	0
Nominal head	m	0
Static head	m	0
NPSH - v value of plant	m	0
Inlet pressure	bar	0,09793
Fluid		Water, pure
Operating temperature t A	°C	20
Density at t A	kg/m³	998,3
Kin. viscosity at t A	mm²/s	1,005

Pump

Pump name		SKD 500-550A	
Size			
Design			
Speed	rpm	950	No of stages 1
Impeller type			
Flow	Nominal	m³/h	
	Max-	m³/h	4000
	Min-	m³/h	1500
Head	Nominal	m	
	Max-	m	40,4
	Min-	m	34,4
Head H(Q=0)		m	43,9
NPSH 3%		m	
Max. working pressure		bar	4,3
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp	614,43

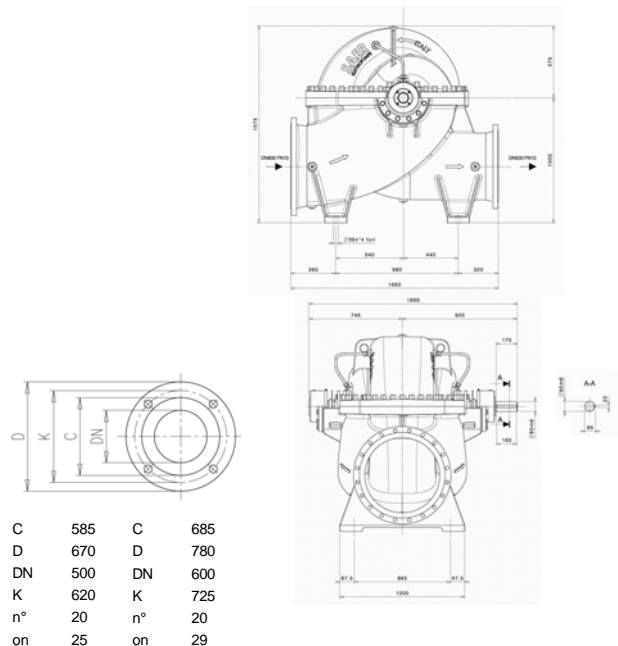
Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Cover	Cast iron EN-GJL-250
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor		Frame size	
Manufacturer / Type			
Rated power	hp	Efficiency 4/4	
Electric current	A	Speed	rpm
Electric voltage	V		Hz
Starting mode			
Degree of protection		Insulation class	

Remarks:

Dimensions in mm

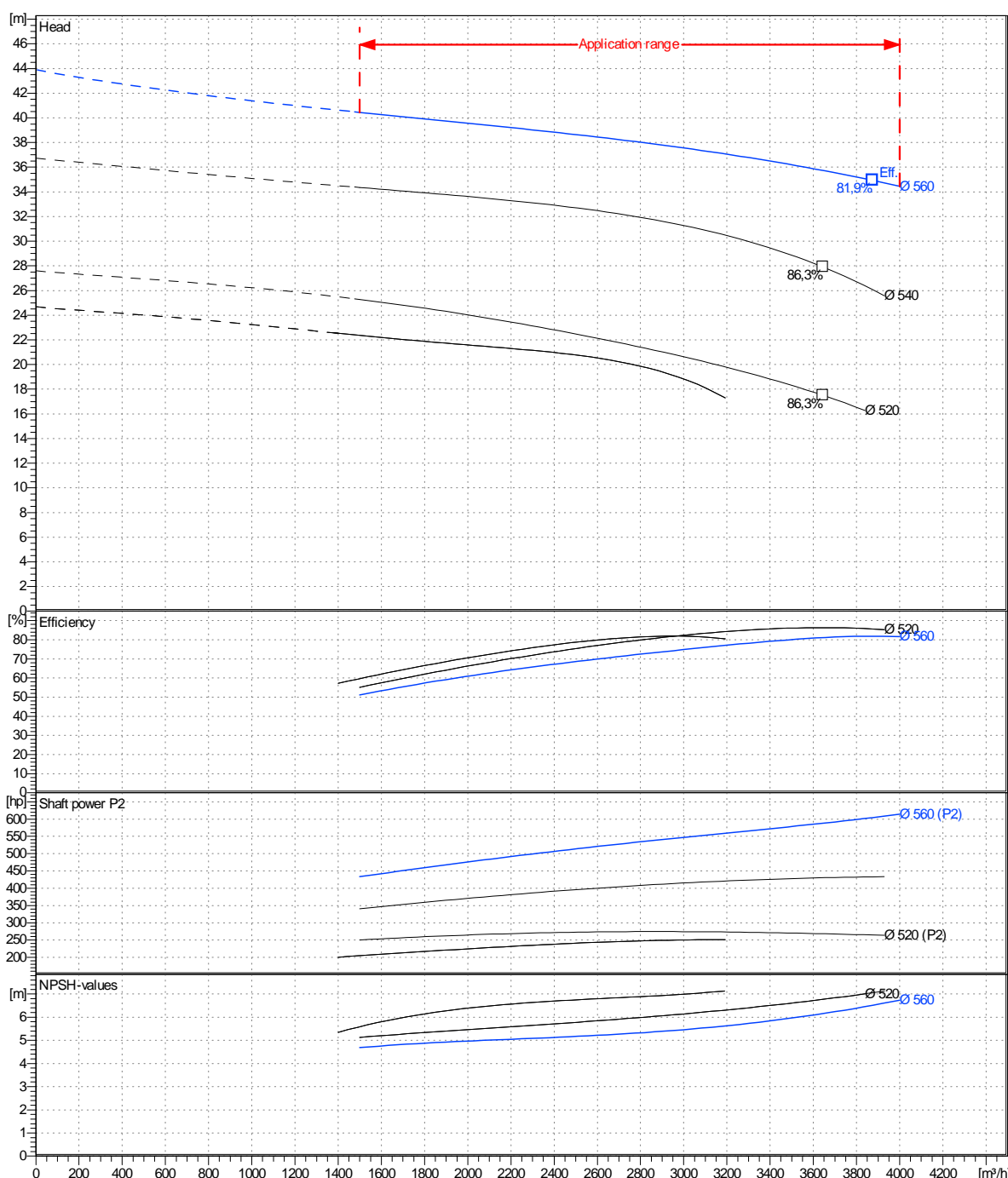


C	585	C	685
D	670	D	780
DN	500	DN	600
K	620	K	725
n°	20	n°	20
on	25	on	29

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN 500
			Speed
			rpm 950
			Frequency
			Hz

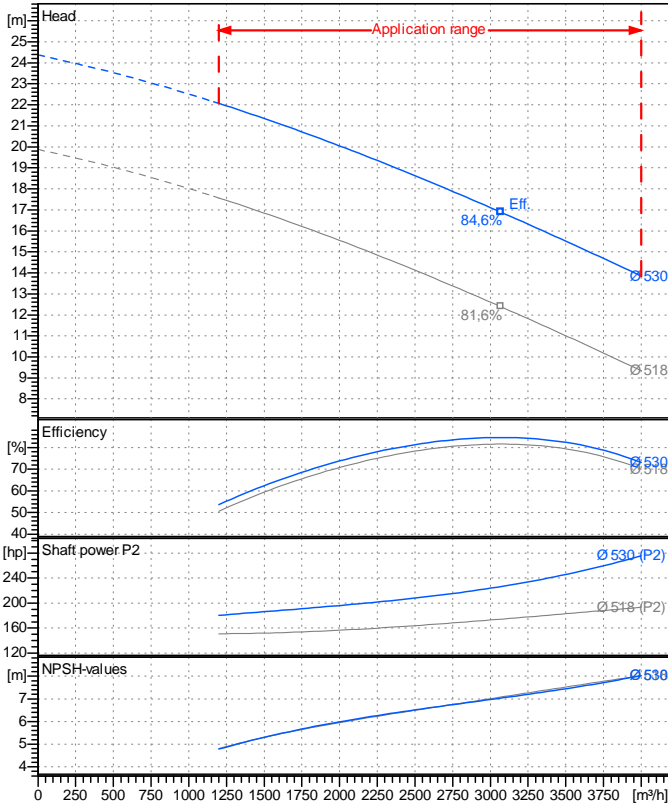
Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	

Receiver

From

 Company name
 Respons. Department
 Person in charge
 Phone number
 Fax no
 E-mail address

Operating data specification

Nominal flow	m ³ /h	0
Nominal head	m	0
Static head	m	0
NPSH - v value of plant	m	0
Inlet pressure	bar	0,09793
Fluid		Water, pure
Operating temperature t A	°C	20
Density at t A	kg/m ³	998,3
Kin. viscosity at t A	mm ² /s	1,005

Pump

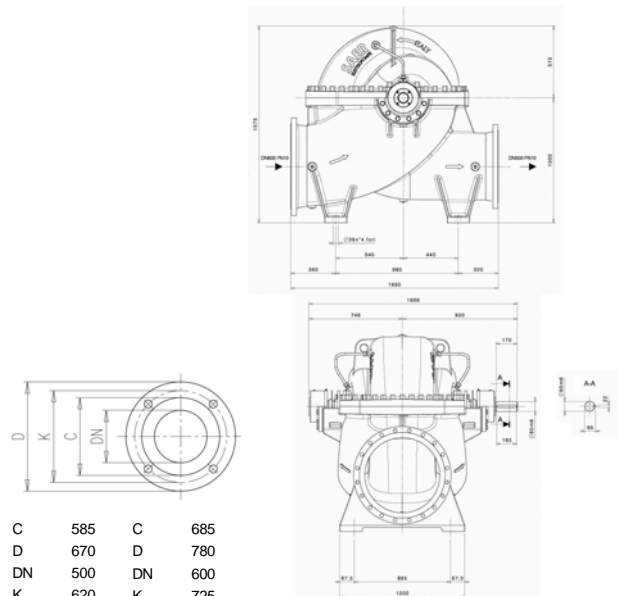
Pump name		SKD 500-550B	
Size			
Design			
Speed	rpm	750	No of stages
Impeller type			
Flow	Nominal	m ³ /h	
	Max-	m ³ /h	4000
	Min-	m ³ /h	1200
Head	Nominal	m	
	Max-	m	22,1
	Min-	m	13,9
Head H(Q=0)		m	24,4
NPSH 3%		m	
Max. working pressure		bar	2,39
Shaft power		hp	
Efficiency		%	
Max absorbed power		hp	275,69

Materials Pump

Shaft	Stainless steel AISI 431 (1.4057)
Impeller	Cast iron EN-GJL-250
Pump body	Cast iron EN-GJL-250
Cover	Cast iron EN-GJL-250
Wear rings - impeller side	Stainless steel AISI 304 (1.4301)
Wear rings - pump body side	Bronze G- CuSn10
Shaft seal bushing	Stainless steel AISI 304 (1.4301)
Packing seal	
Packing	PTFE Fiber

Motor		Frame size	
Manufacturer / Type			
Rated power	hp	Efficiency 4/4	
Electric current	A	Speed	rpm
Electric voltage	V		Hz
Starting mode			
Degree of protection		Insulation class	

Remarks:

Dimensions in mm


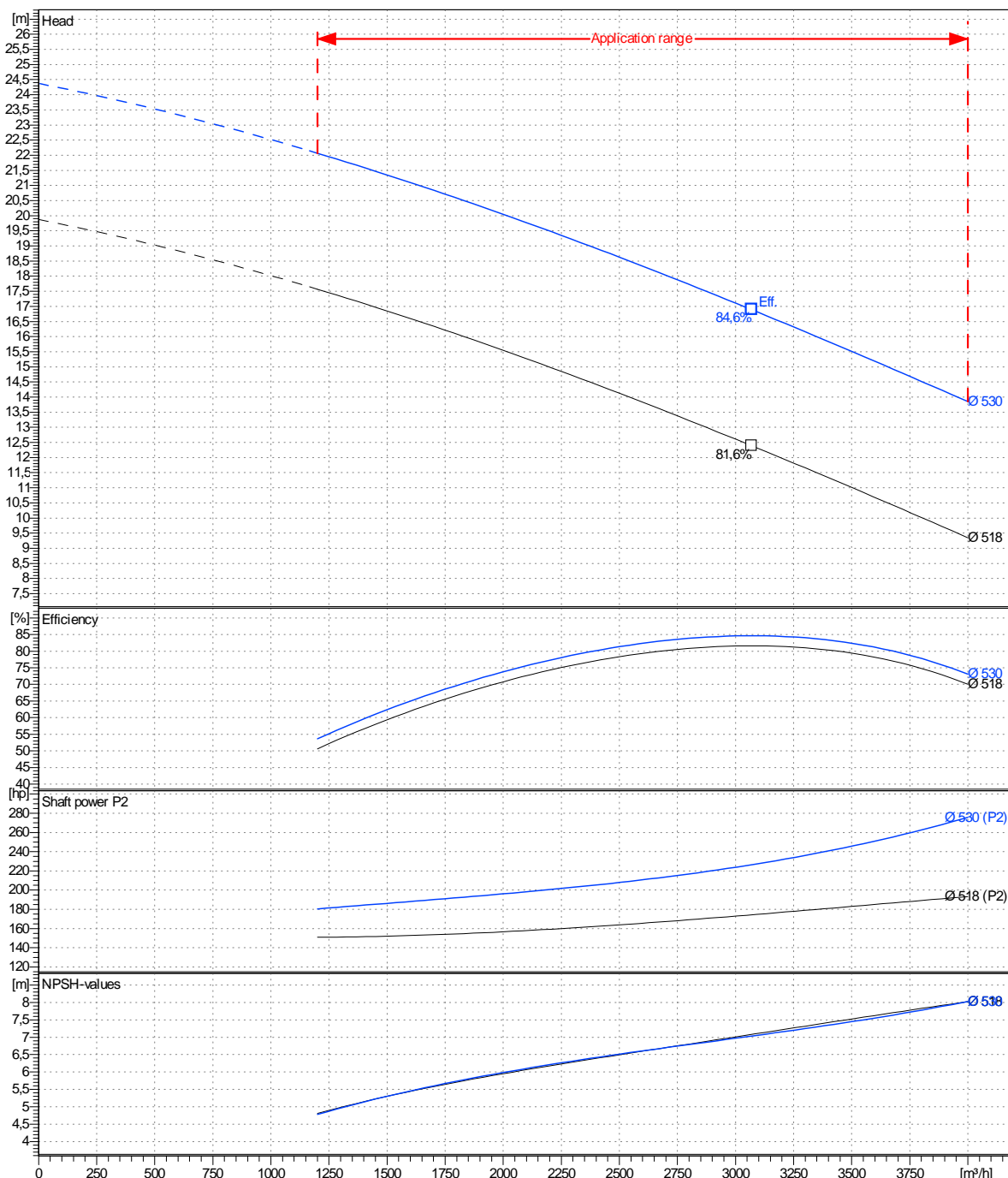
C	585	C	685
D	670	D	780
DN	500	DN	600
K	620	K	725
n°	20	n°	20
on	25	on	29

Receiver	From
Company name	
Respons. Department	
Person in charge	
Phone number	
Fax no	
E-mail address	

Operating area	Flow	Head	Impeller type
Operating data specification	0 m ³ /h	0 m	Impeller construction
Pump data	m ³ /h	m	Sense of rotation
			Clockwise from the drive end
			Outlet width
			DN 500
	Flow	Head	Shaft power P2
	Min. Max. η Max.	H(Q=0) η Max.	P2(Q=0) Max. η Max.
	m ³ /h m ³ /h m ³ /h	m m	hp hp hp
	1200 4000 3070	24,4 16,9	276 226
			Speed rpm 750
			Frequency Hz

Performance data based to: Water, pure [100%]; 20°C; 998kg/m³; 1mm²/s

UNI EN ISO 9906:2012 - Grade 3B



Project	Project ID	Created by	Created on	Last update
			2013-12-18	