

WILO

德國威樂熱水循環泵浦系列

STAR / TOP Series



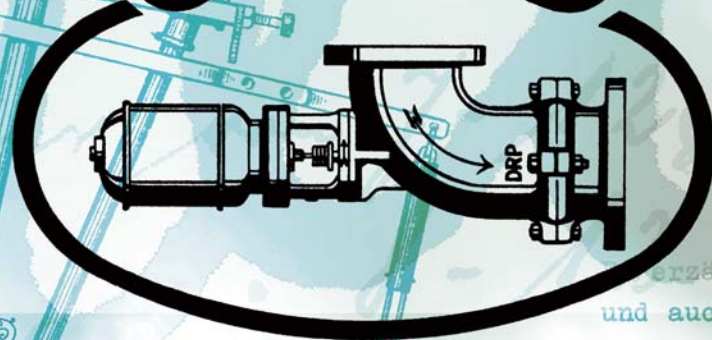
SINCE 1872

Louis Dpländer,

Fabrik für Zentralheizungen,
Wasch-, Bade- u. Abort-Anlagen,
Inh.: Ingen. Louis Dpländer, Prof.
u. Geschäftsführ.: Ingen. Ernst Leid-
heuser, F 717 u. 718, Fabrik und
Wohn.: Hohe Str. 190.

DORTMUND
FERNRUF 717

WILLO



erzählt, wie si
und auch sonst noc
100 Jahren.

leicht macht e

Pumpen Intelligenz.

Company history

- 1872** Founding of the Messingwarenfabrik Louis Opländer Maschinenbau company
- 1972** Founding of first subsidiaries
- 1984** Acquisition of PompesSalmson, France
- 1988** Acquisition Drouard-Tec Sa
- 2000** Founding of WILO-LG Pumps Ltd., Korea
- 2003** Acquisition of the EMU Group, Hof
- 2005** Acquisition of Mather & Platt, India
- 2006** Acquisition of Circulating Pumps Limited, England
- 2008** Changing status form WILO AG to WILO SE
- 2011** Creation of the Casper Ludwig Opländer Foundation



HELM OPLÄNDER GMBH WILOWERK
DORTMUND-HÖRDE · NORTKIRCHENSTRASSE 100 · RUF 0231 / 41021

h unsere Firma entwickelt hat
h allerlei aus den vergangenen

s Ihnen Freude, ein bißchen
zu lesen.

WILO

Pumpen Intelligenz.



WILO SE with headquarters in Dortmund, Germany, is one of the leading manufacturers of pumps and systems for heating, cooling and air-conditioning, for water supply and drainage and sewage.

The company was founded in 1872 by Louis Opländer as a copper and brass goods factory. Wilo is represented by almost 60 subsidiaries all over the world and employs more than 6,200 people worldwide. In 2010 turnover amounted to 1.021,4 million Euros. In 2011, the company was honored as the "Top Employer for Engineers" for the fourth time in a row.

TOP-S IN-LINE 循環泵

TOP-S-60HZ



Wilo-TOP-S 系列

- IN-LINE 循環泵
- 運轉低噪音

應用範圍

- 熱水循環系統
- 熱泵、太陽能系統
- 工業用循環水系統
- 鍋爐回水系統

技術資料

流體

熱水(VDI 2035)

特性

速度範圍 1200-2900rpm

3段手動變速

流體溫度 -20°C ~ +130°C

二小時內短時間運轉 +140°C

最大工作壓力： 6/10 bar

環境溫度 max. +40°C

電源

送電方式 1~220V 50/60HZ

3~380-460V 50/60HZ

選配 3~220V 50/60HZ

馬達

保護等級 IP 44

絕緣等級 H

設計標準 EN 61000-6-2

EN 61000-6-3

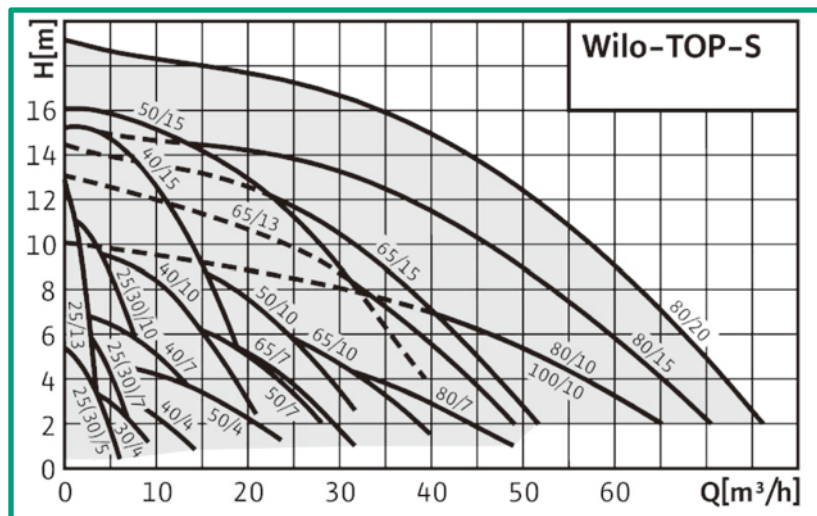
材質

泵浦機身 鑄鐵

葉輪 GF-PP

軸心 不銹鋼

軸承 石墨



供應範圍

- 泵浦完整包裝及操作保養手冊

配件

- 選配泵浦保溫外殼
- 選配其他配件

安裝方式

- 泵浦軸心需在水平方向
- 接線盒可選擇3、6、9、12點鐘方向

泵浦配備

- 三段手動變速調整
- 非過載型單相馬達
- 接線盒左右均可使用

馬達

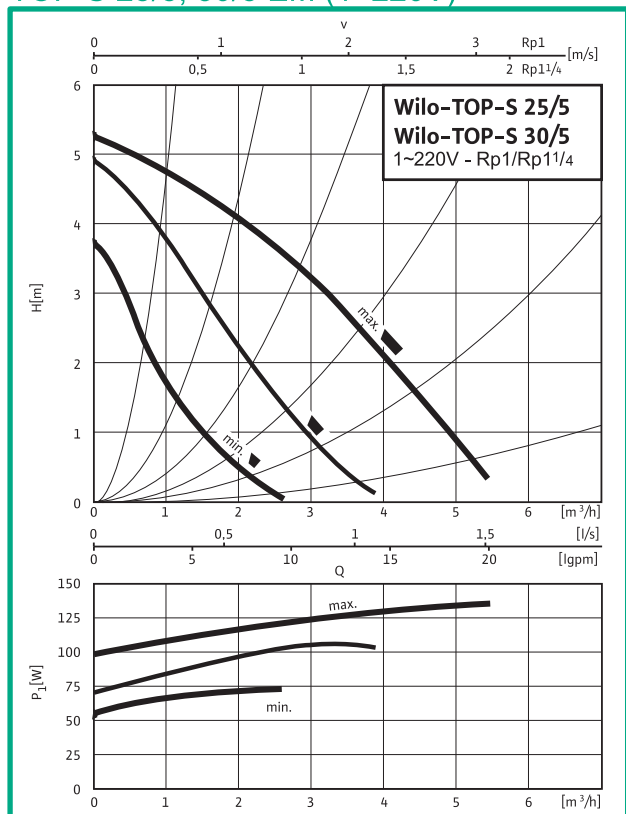
- 電壓可1~220-230V 50/60Hz 共用
- 選配1~110V 60Hz

TOP-S 性能	最大耐壓等級	環境溫度40°C時，泵浦輸送水溫所需的最小正壓 [m]			
		50°C	95°C	110°C	130°C
25/5-25/7	10 bar	0.5	5	11	24
25/10	10/16 bar				
25/13	10 bar	0.5	5	11	-
30/4-30/7	10 bar	0.5	5	11	24
30/10	10/16 bar				
40/4-40/10	6/10, 16 bar				
40/15	6/10, 16 bar	3.0	10	16	29
50/4-50/15	6/10, 16 bar				
65/7-65/15	6/10, 16 bar				
80/7-80/10	6, 10/16 bar				
80/15-80/20	6, 10/16 bar	9.0	18	23	36
100/10	6, 10/16 bar	3.0	10	16	29

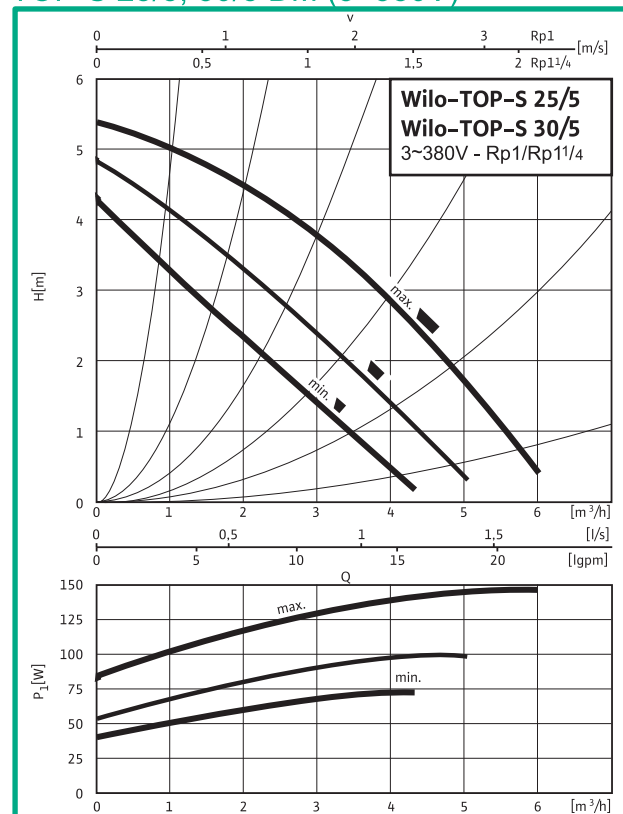
TOP-S IN-LINE 循環泵

TOP-S-60HZ

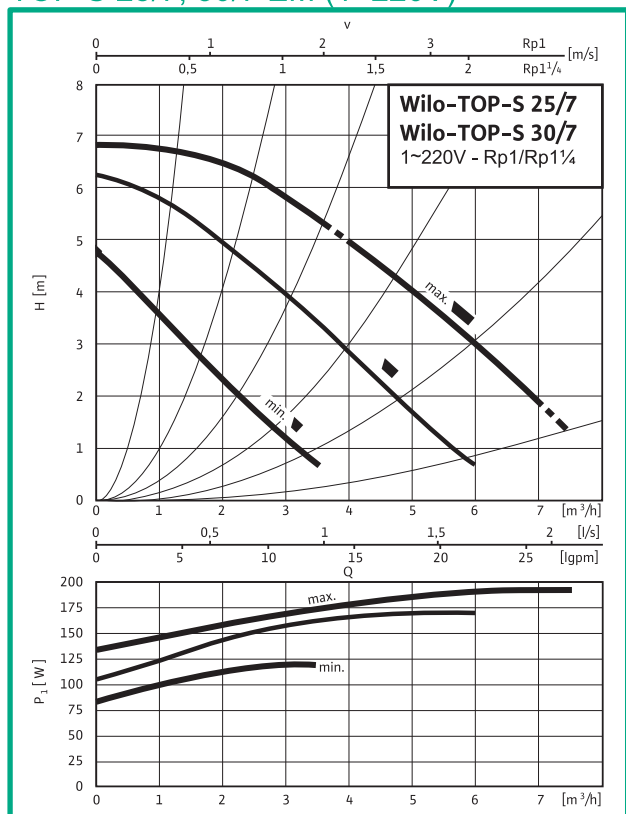
TOP-S 25/5, 30/5 EM (1~220V)



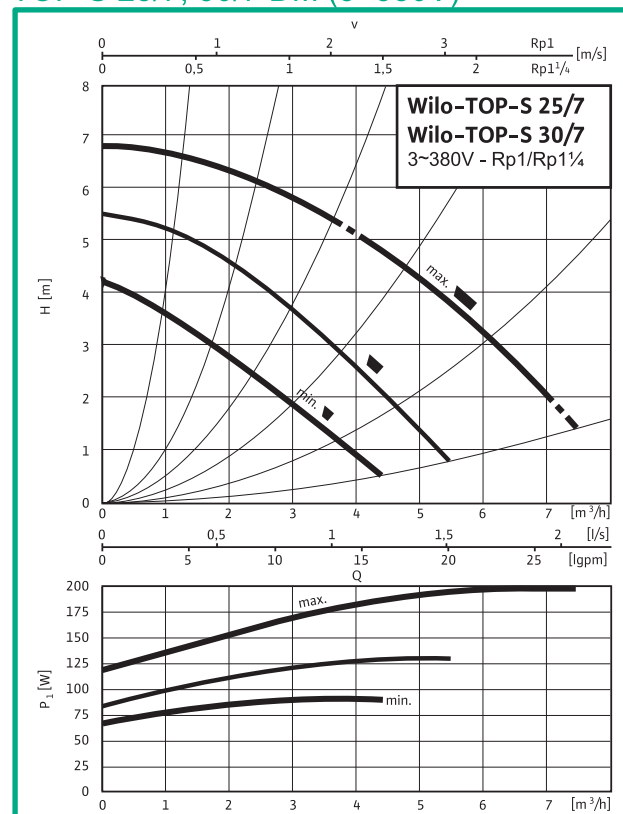
TOP-S 25/5, 30/5 DM (3~380V)



TOP-S 25/7, 30/7 EM (1~220V)



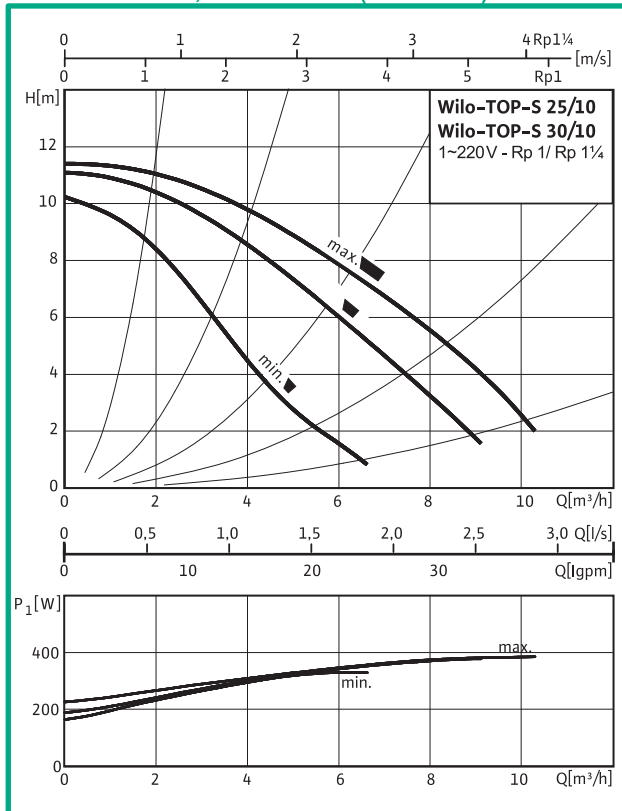
TOP-S 25/7, 30/7 DM (3~380V)



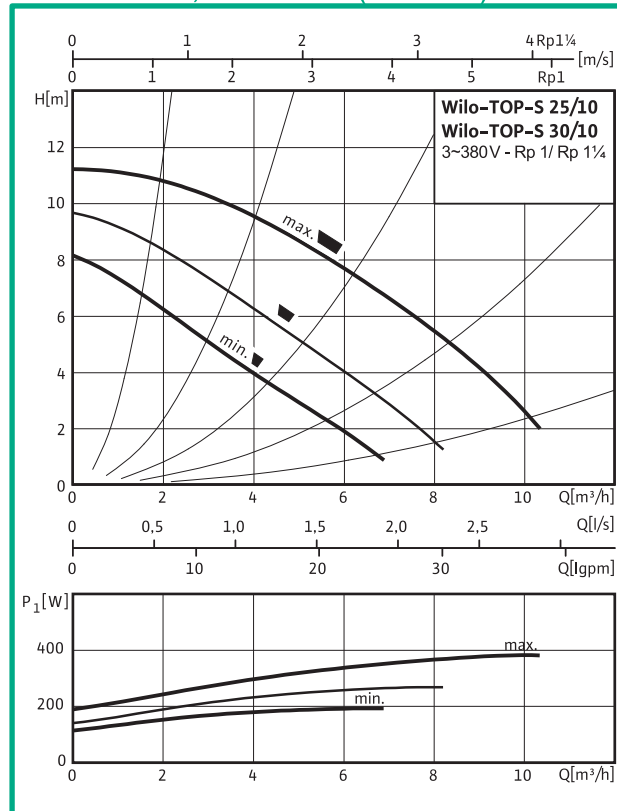
TOP-S IN-LINE 循環泵

TOP-S-60HZ

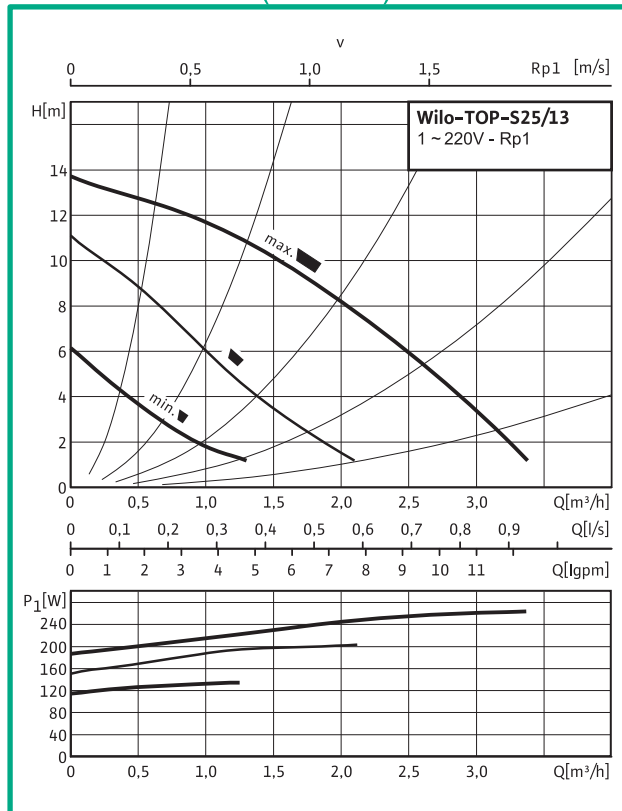
TOP-S 25/10, 30/10 EM (1~220V)



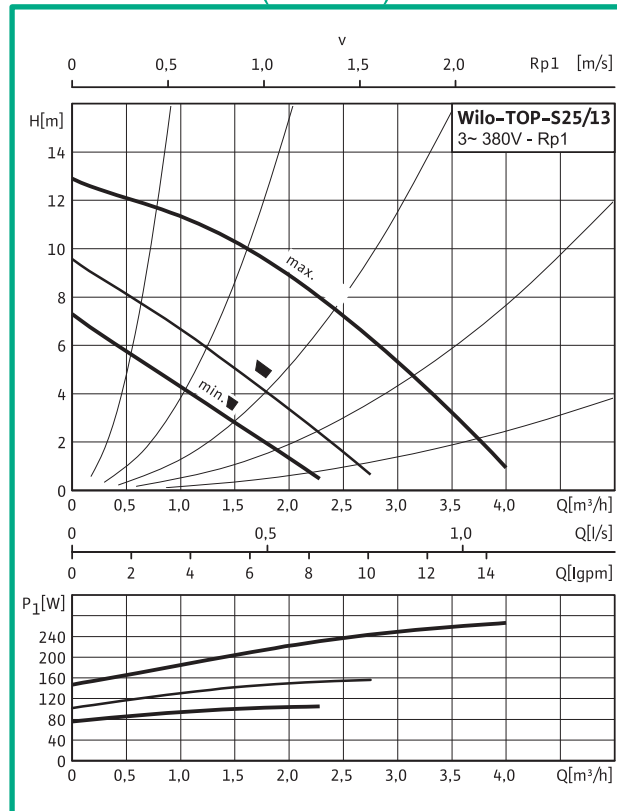
TOP-S 25/10, 30/10 DM (3~380V)



TOP-S 25/13 EM (1~220V)



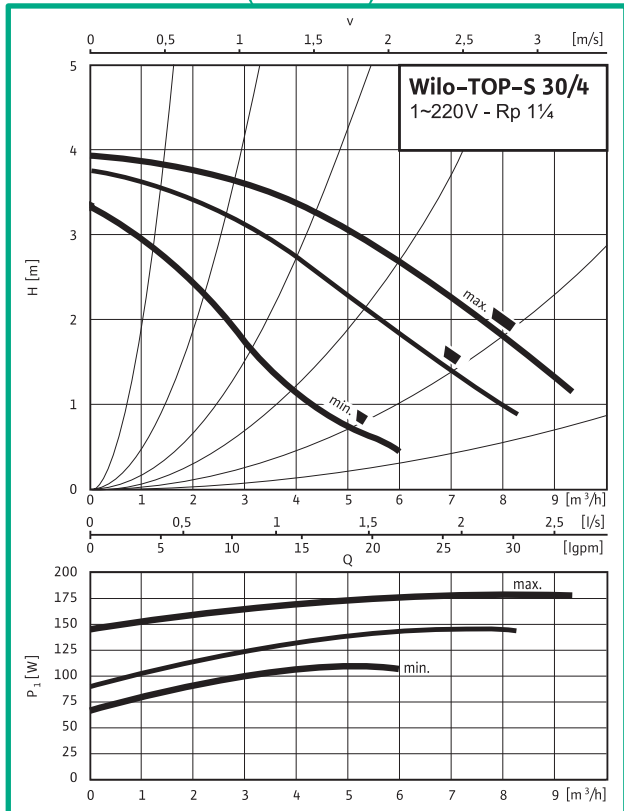
TOP-S 25/13 DM (3~380V)



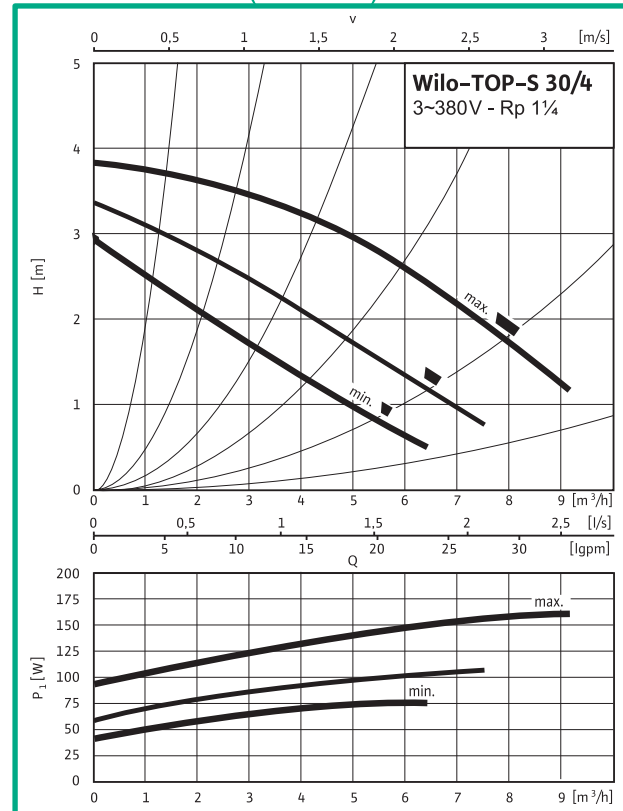
TOP-S IN-LINE 循環泵

TOP-S-60HZ

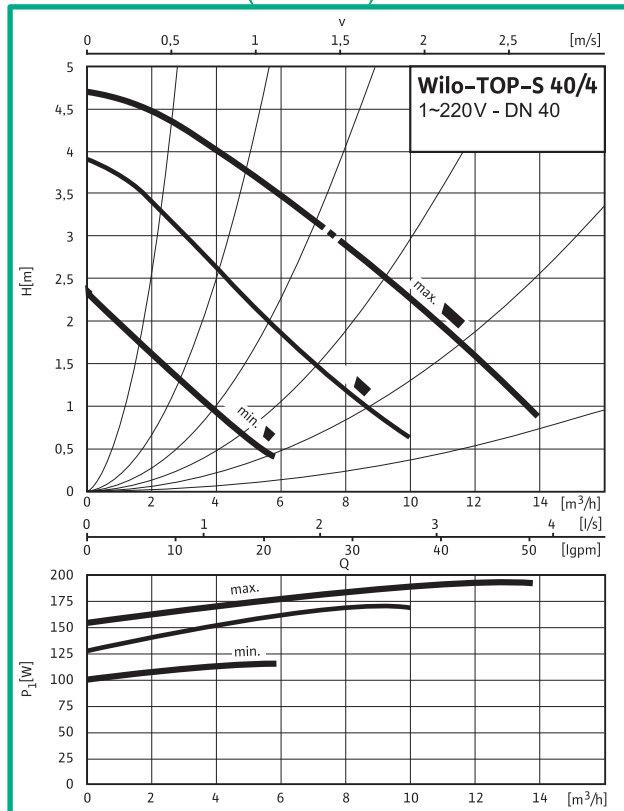
TOP-S 30/4 EM (1~220V)



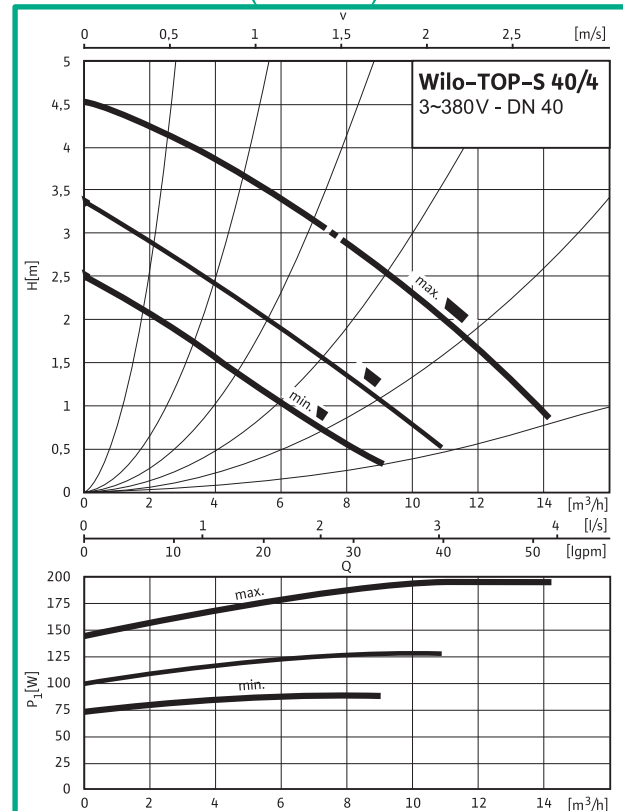
TOP-S 30/4 DM (3~380V)



TOP-S 40/4 EM (1~220V)



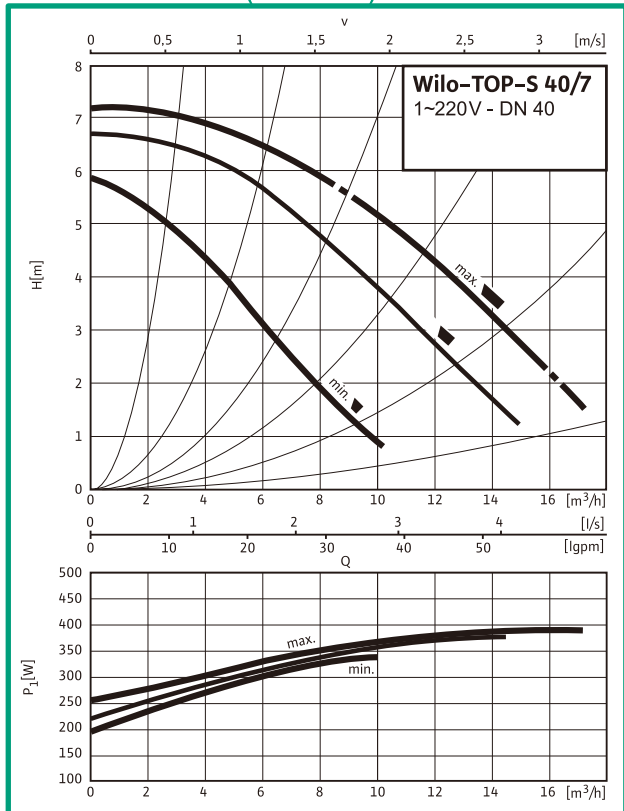
TOP-S 40/4 DM (3~380V)



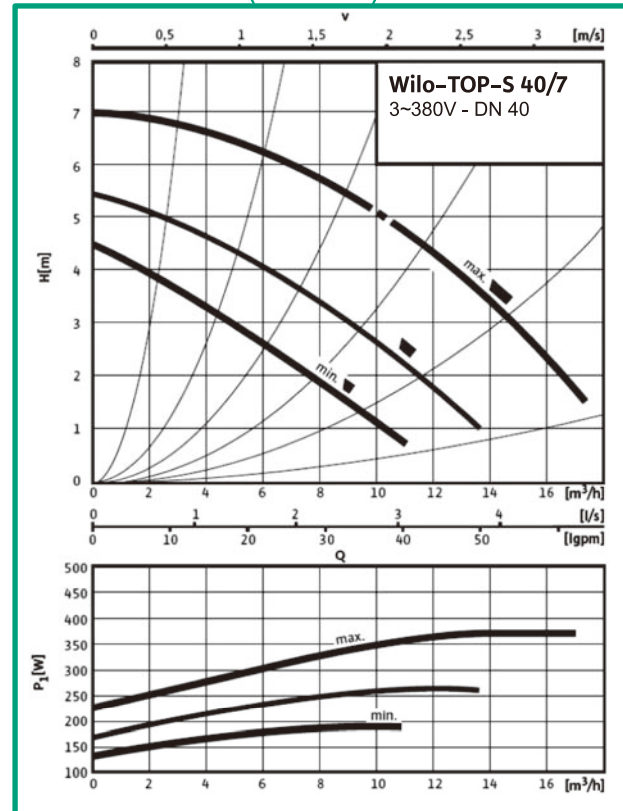
TOP-S IN-LINE 循環泵

TOP-S-60HZ

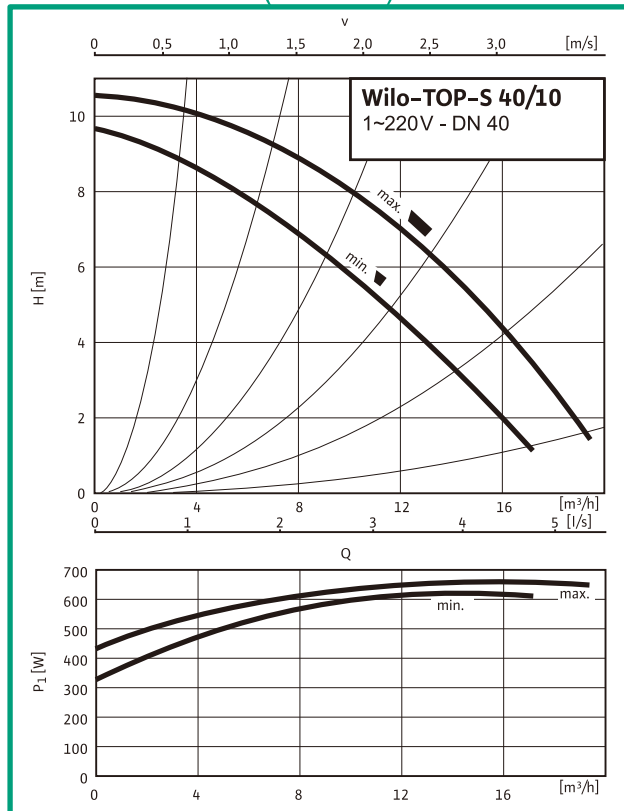
TOP-S 40/7 EM (1~220V)



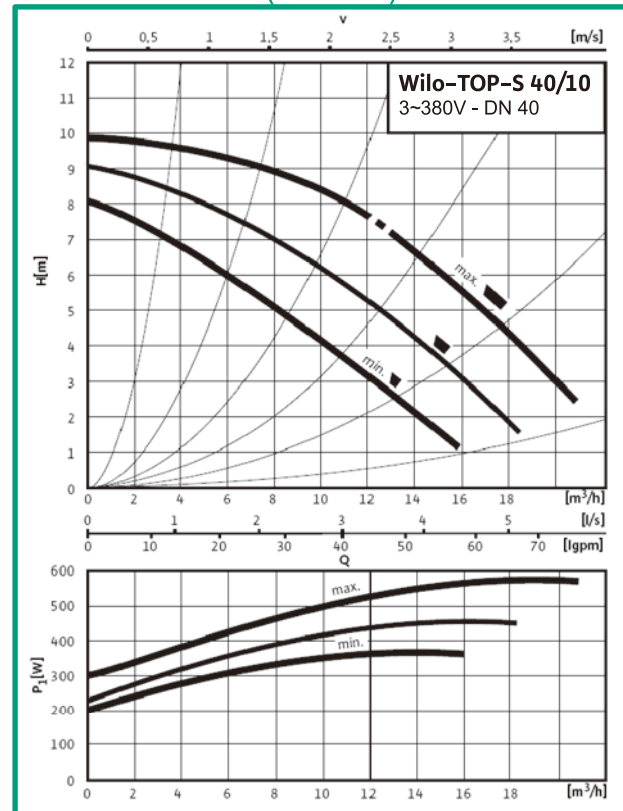
TOP-S 40/7 DM (3~380V)



TOP-S 40/10 EM (1~220V)



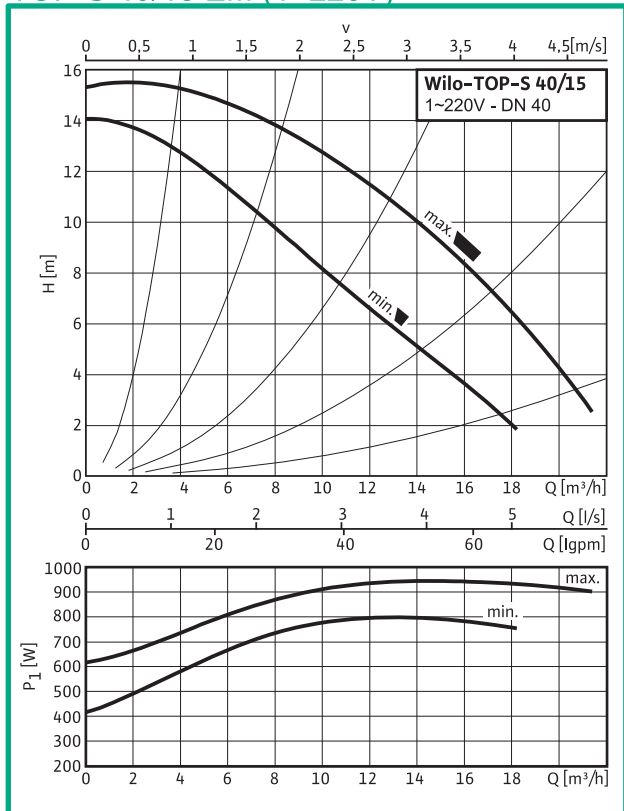
TOP-S 40/10 DM (3~380V)



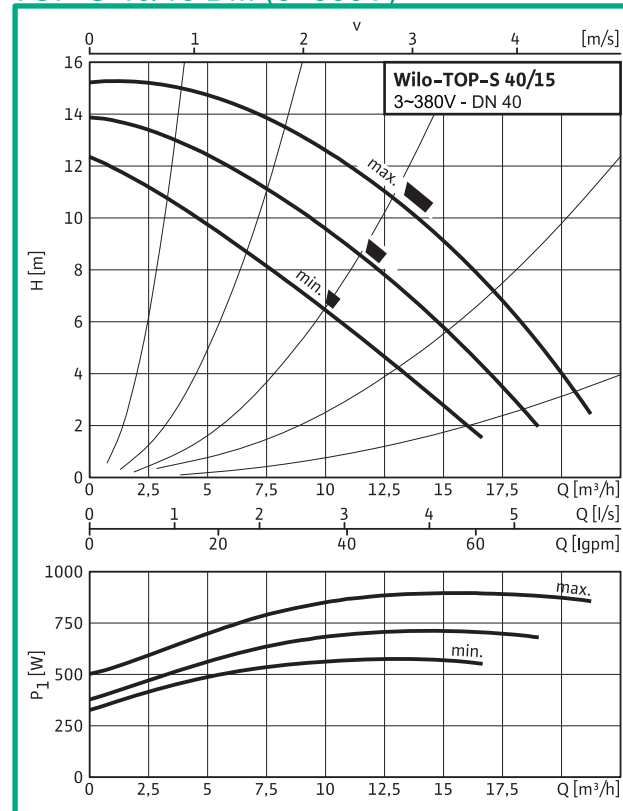
TOP-S IN-LINE 循環泵

TOP-S-60HZ

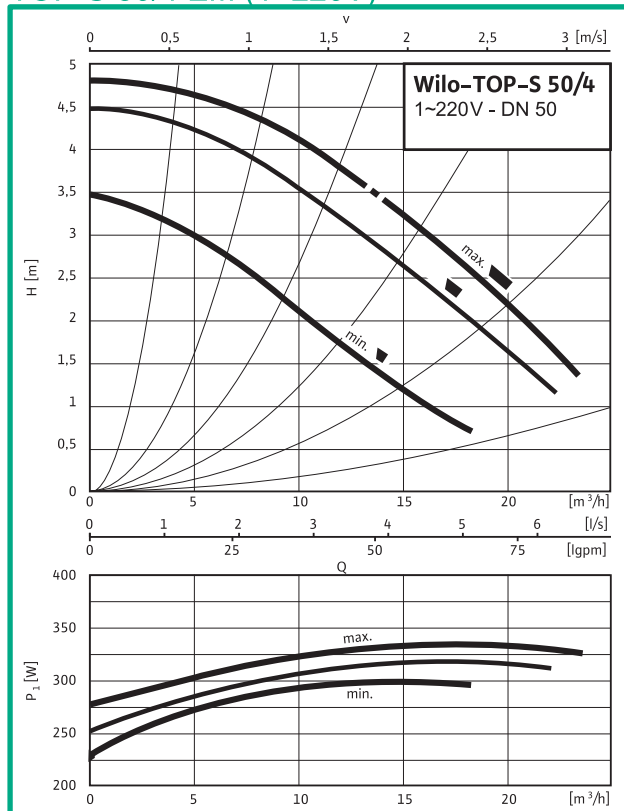
TOP-S 40/15 EM (1~220V)



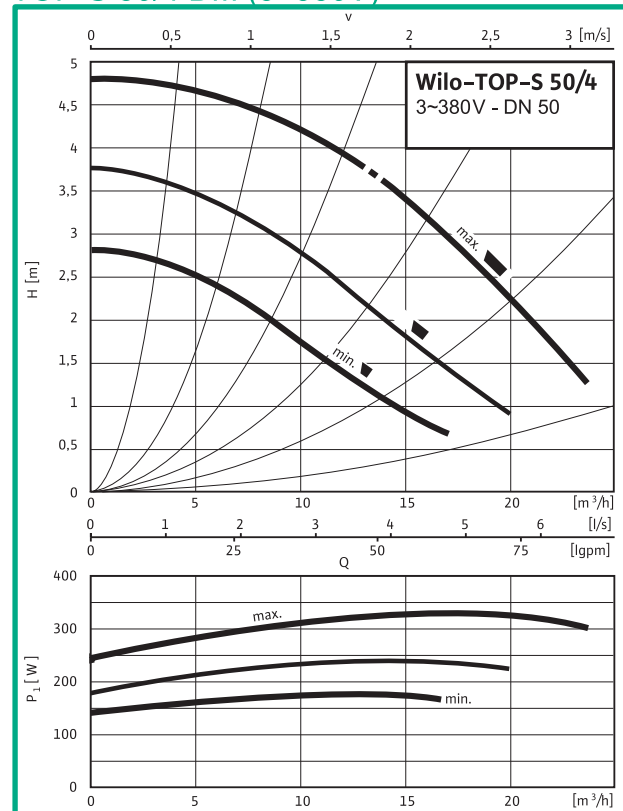
TOP-S 40/15 DM (3~380V)



TOP-S 50/4 EM (1~220V)



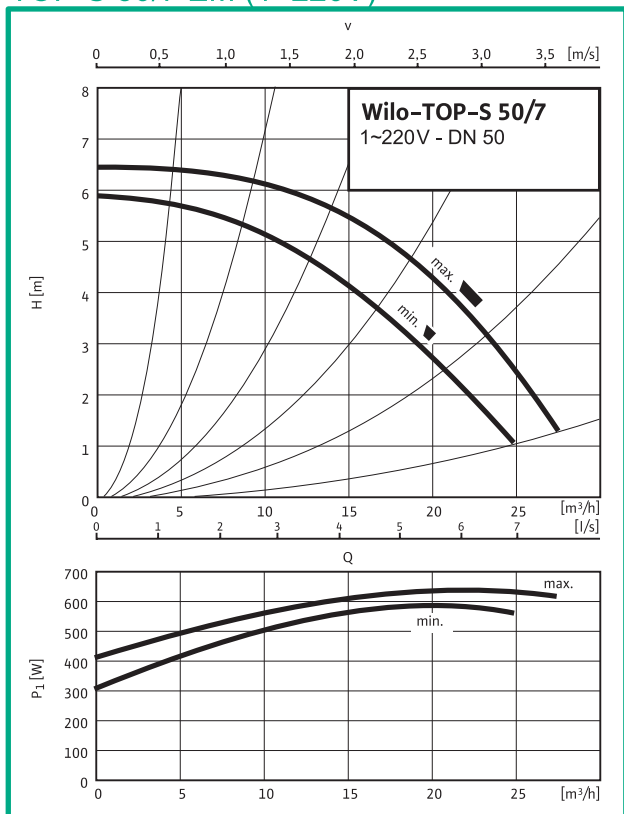
TOP-S 50/4 DM (3~380V)



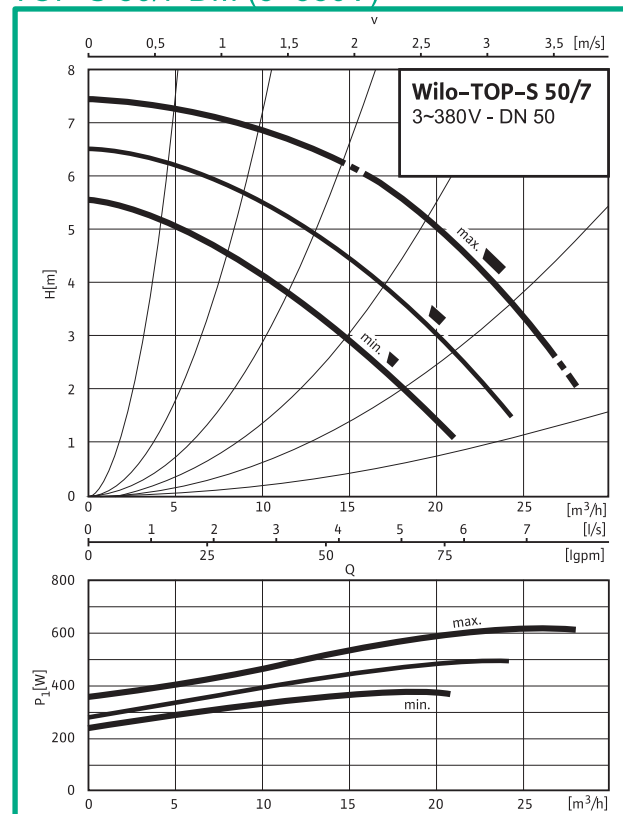
TOP-S IN-LINE 循環泵

TOP-S-60HZ

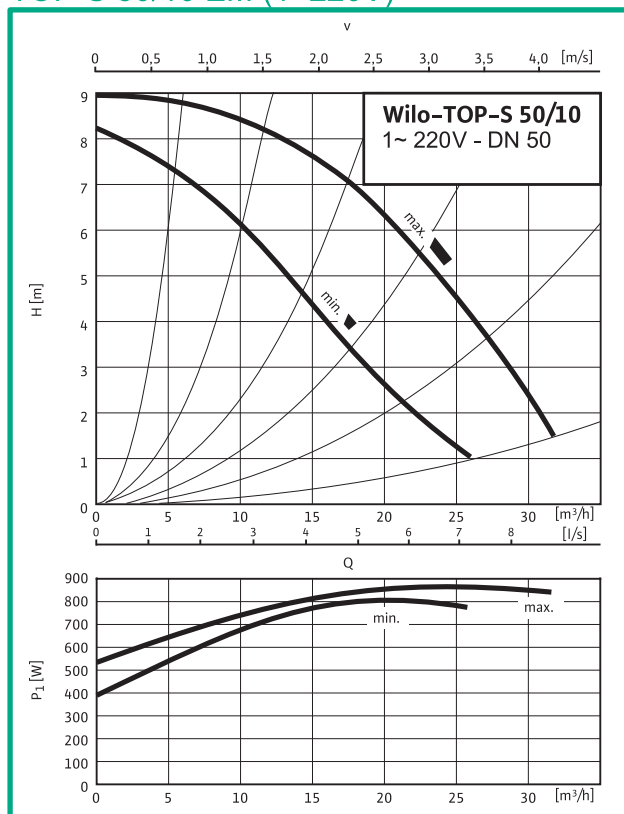
TOP-S 50/7 EM (1~220V)



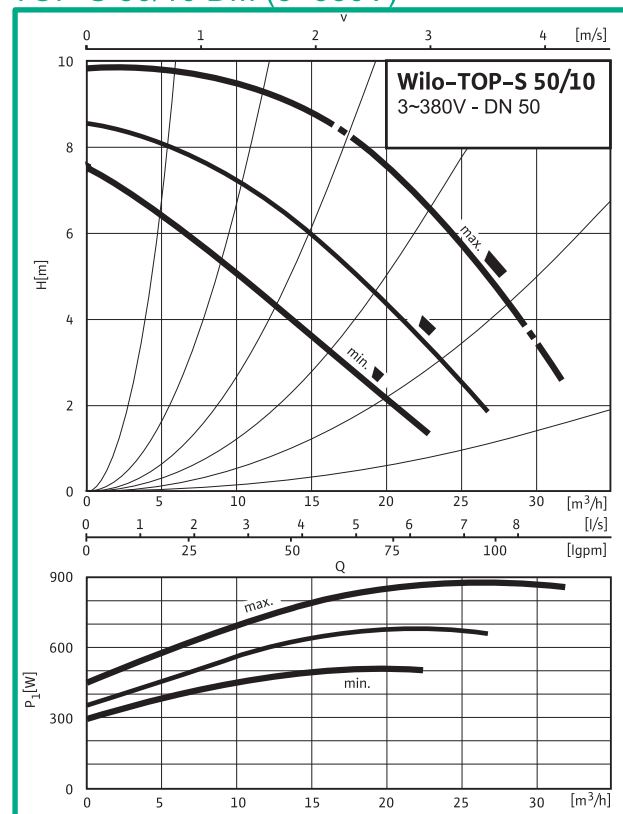
TOP-S 50/7 DM (3~380V)



TOP-S 50/10 EM (1~220V)



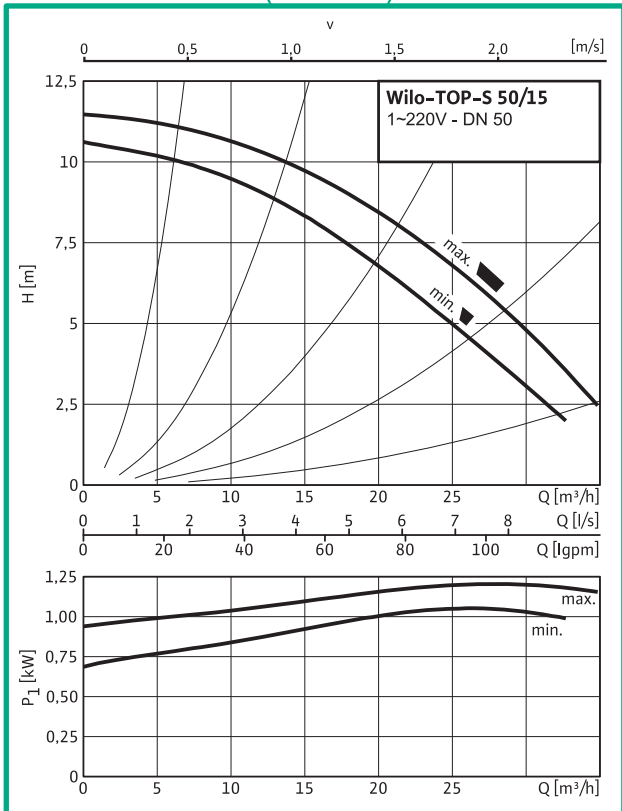
TOP-S 50/10 DM (3~380V)



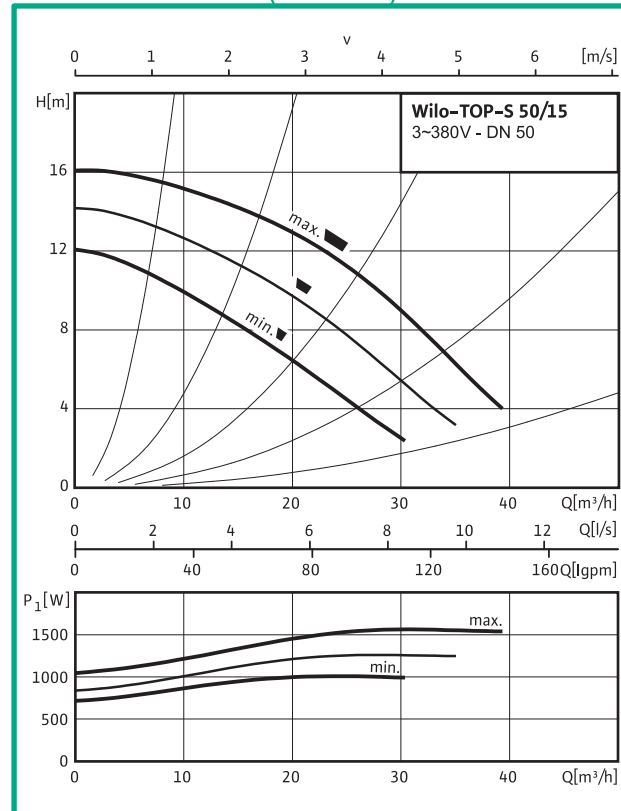
TOP-S IN-LINE 循環泵

TOP-S-60HZ

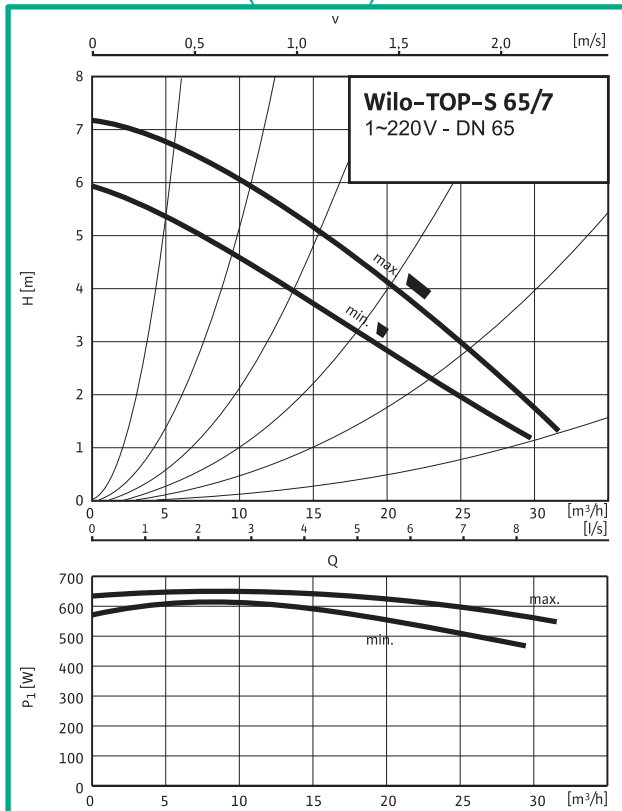
TOP-S 50/15 EM (1~220V)



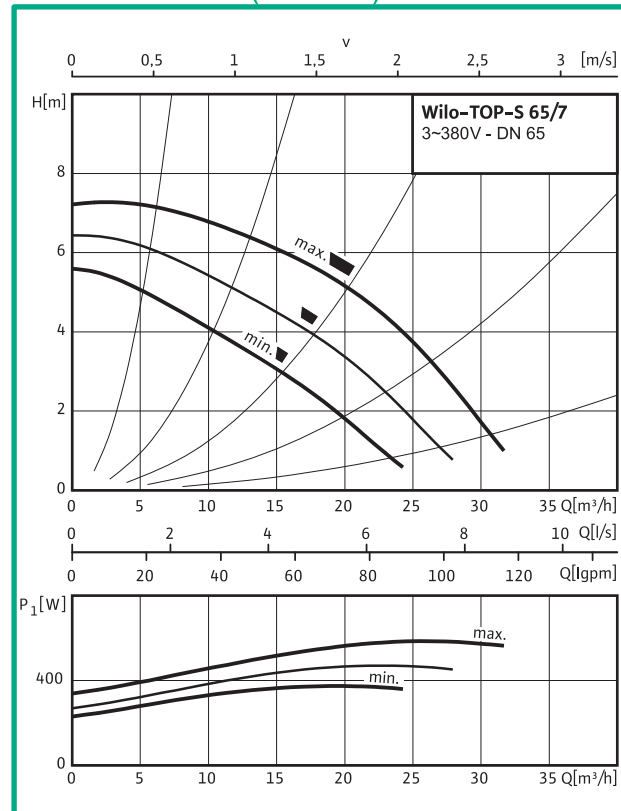
TOP-S 50/15 DM (3~380V)



TOP-S 65/7 EM (1~220V)



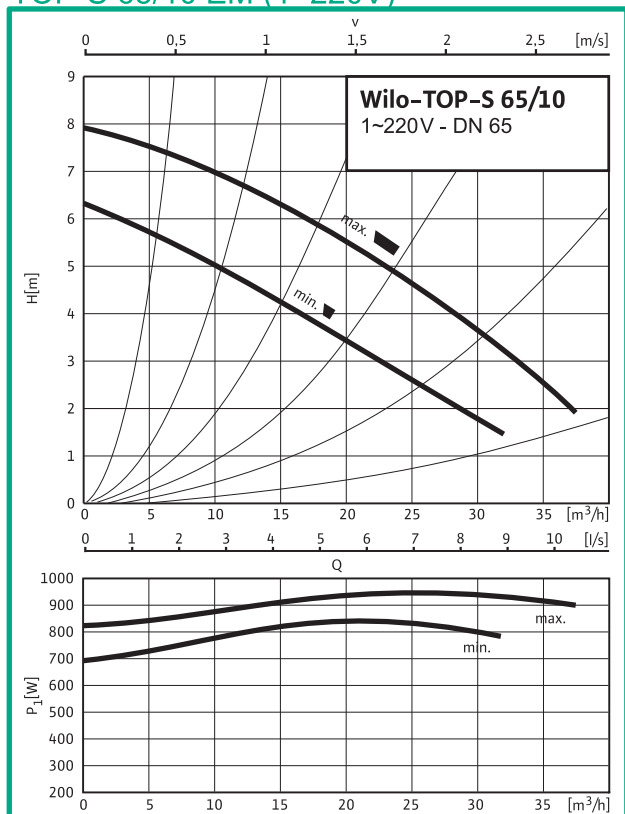
TOP-S 65/7 DM (3~380V)



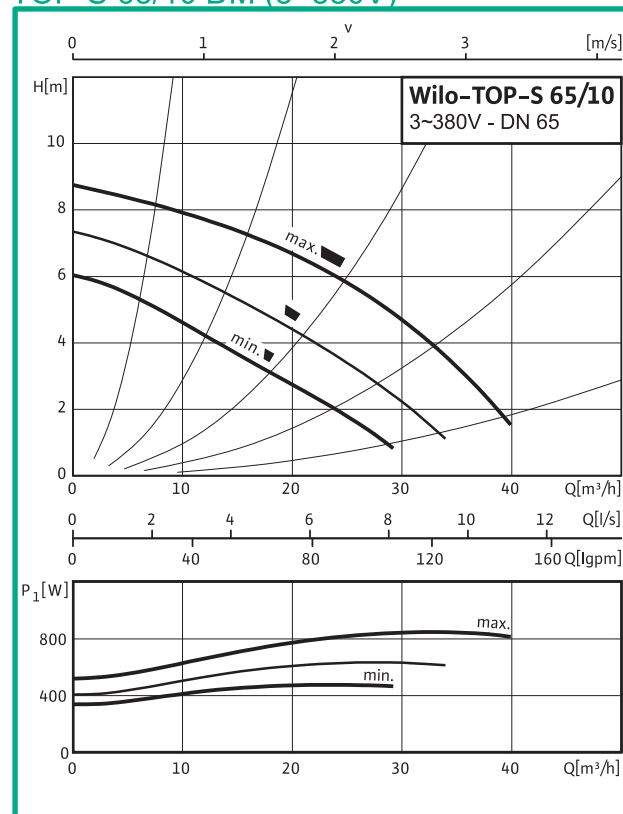
TOP-S IN-LINE 循環泵

TOP-S-60HZ

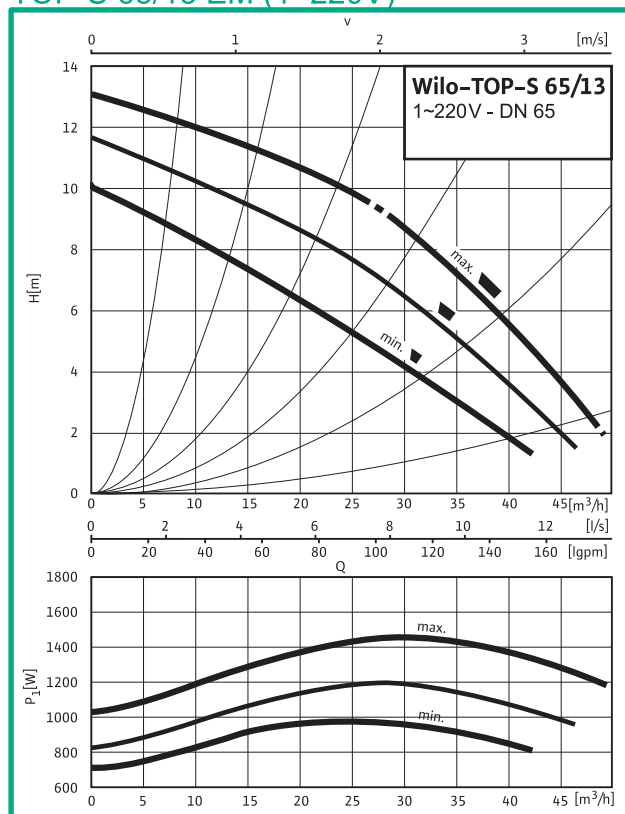
TOP-S 65/10 EM (1~220V)



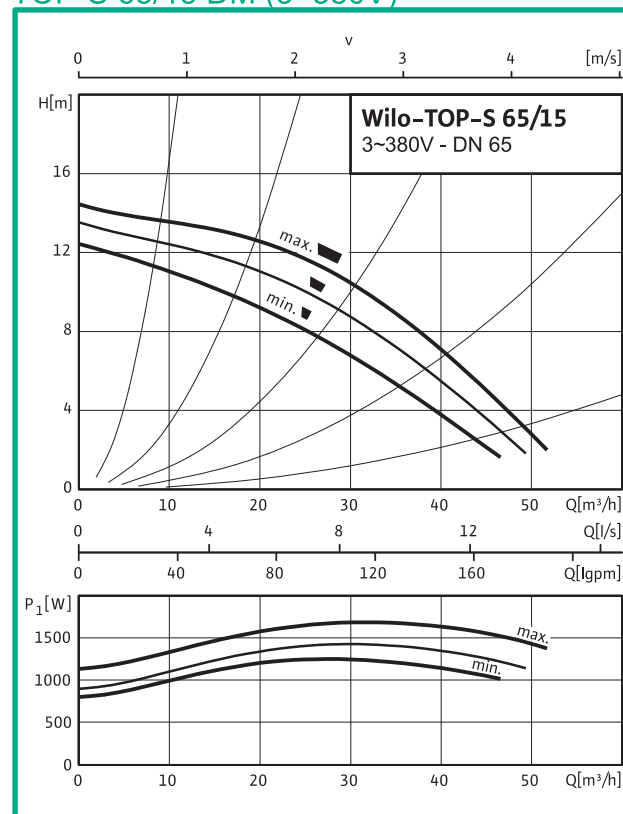
TOP-S 65/10 DM (3~380V)



TOP-S 65/13 EM (1~220V)



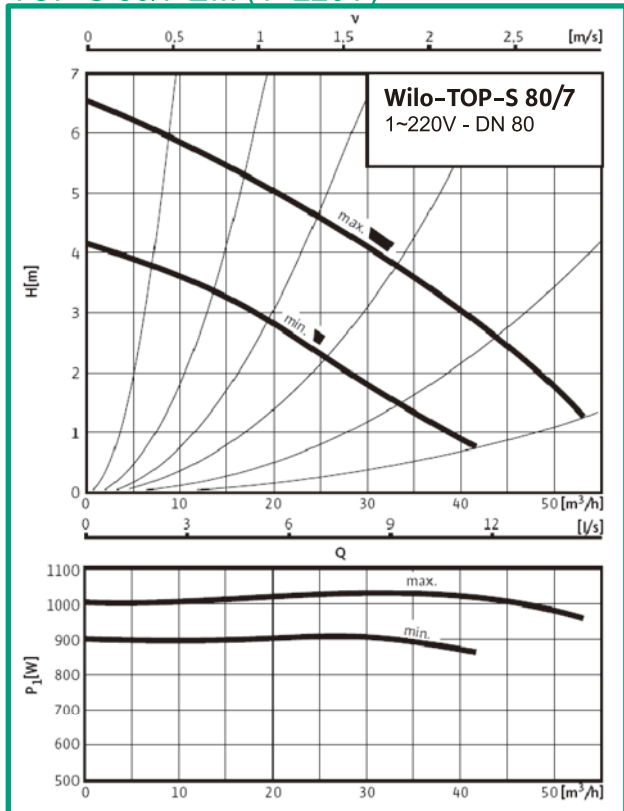
TOP-S 65/15 DM (3~380V)



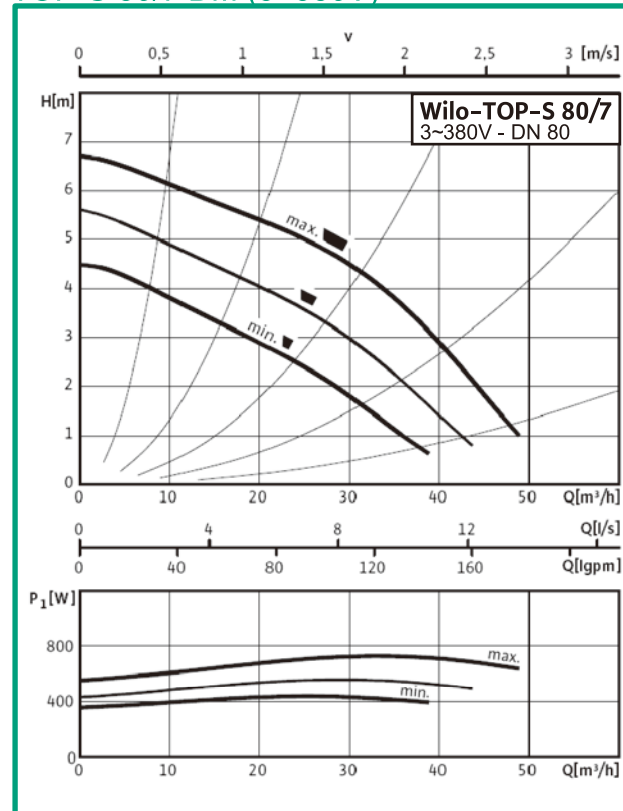
TOP-S IN-LINE 循環泵

TOP-S-60HZ

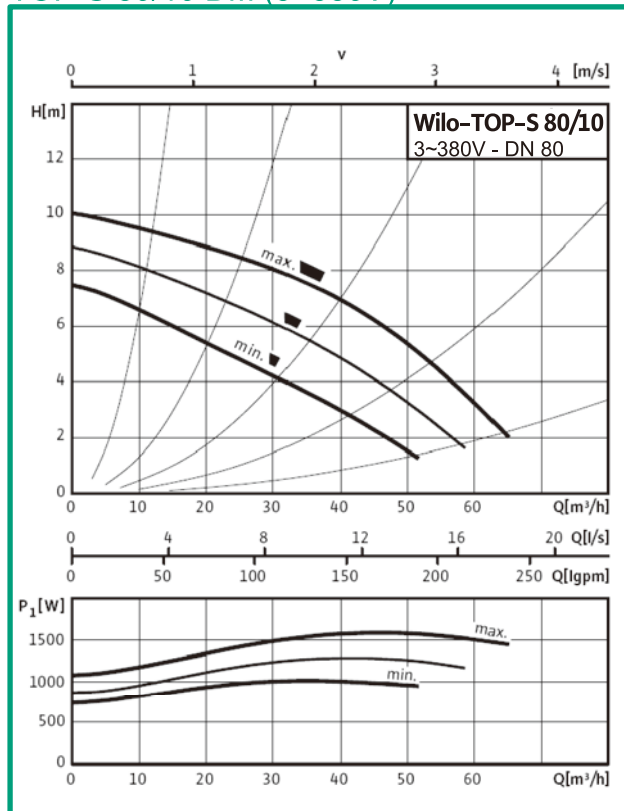
TOP-S 80/7 EM (1~220V)



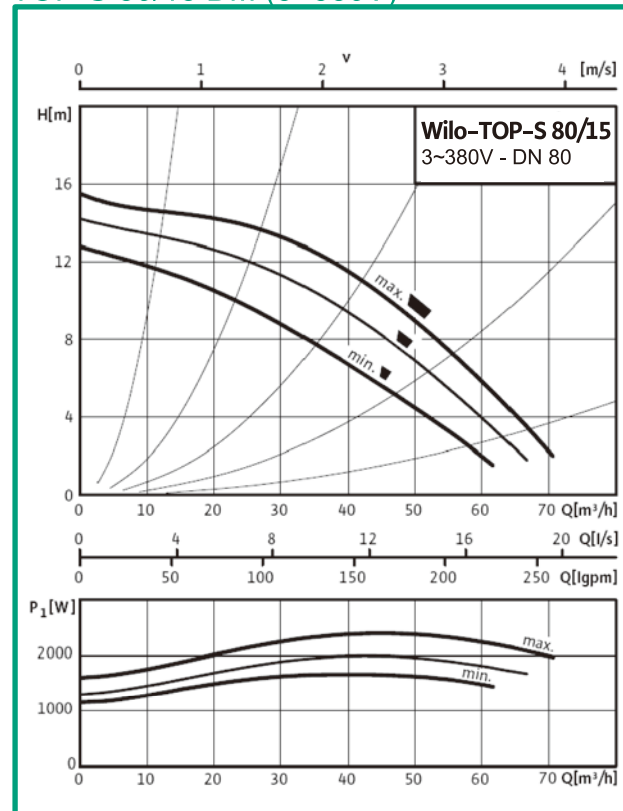
TOP-S 80/7 DM (3~380V)



TOP-S 80/10 DM (3~380V)



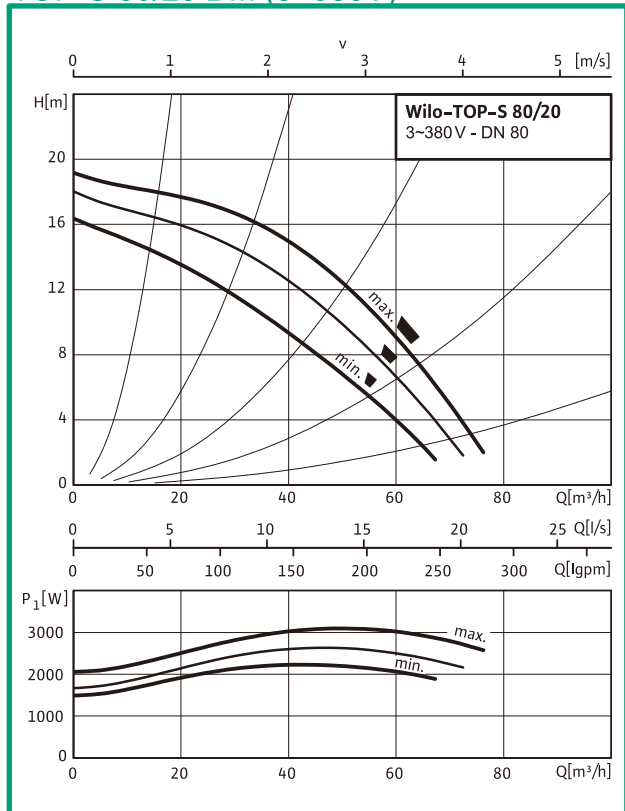
TOP-S 80/15 DM (3~380V)



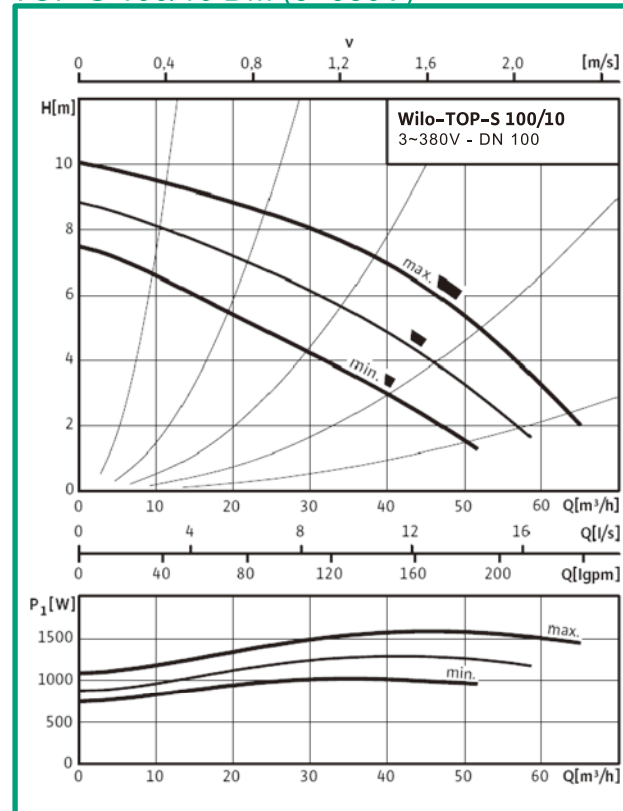
TOP-S IN-LINE 循環泵

TOP-S-60HZ

TOP-S 80/20 DM (3~380V)



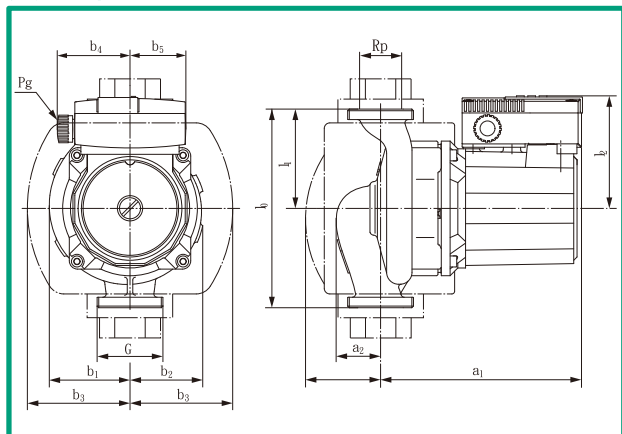
TOP-S 100/10 DM (3~380V)



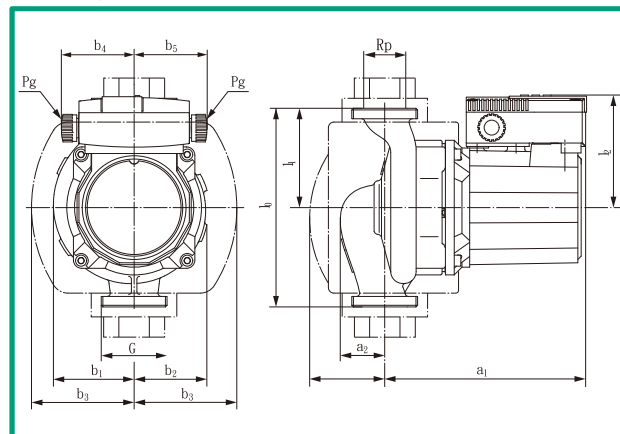
TOP-S IN-LINE 循環泵

TOP-S-60HZ

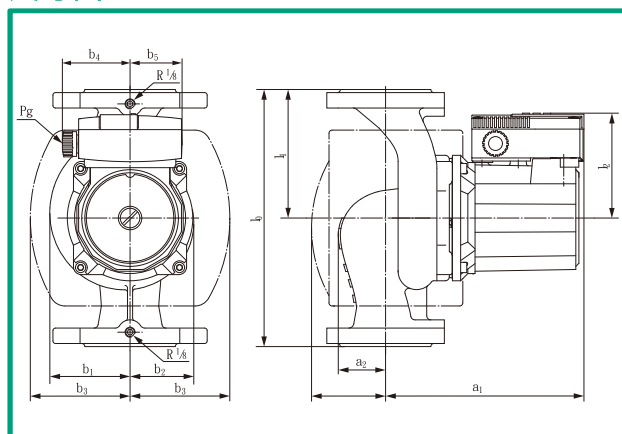
尺寸圖 A



尺寸圖 B



尺寸圖 C

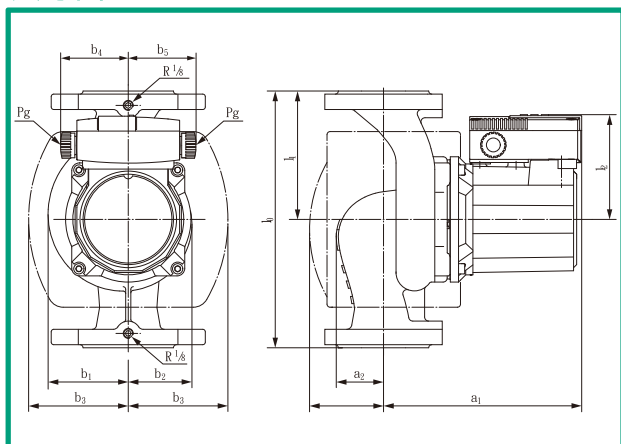


型 號	馬力	內徑	外徑	尺寸									重量	尺寸圖
	P1	Rp	G	l0	l2	a1	a2	b1	b2	b3	b4	b5	-	-
	[W]	-	-	[mm]									[kg]	-
TOP-S 25/5 EM	140	1"	1 1/2"	180	92	150	40	50	52	88	60	44	5.0	A
TOP-S 25/5 DM	150	1"	1 1/2"	180	92	150	40	50	52	88	60	44	5.0	A
TOP-S 25/7 EM	195	1"	1 1/2"	180	92	165	34	66	56	80	60	44	5.0	A
TOP-S 25/7 DM	200	1"	1 1/2"	180	92	165	34	66	56	80	60	44	5.0	A
TOP-S 25/10 EM	390	1"	1 1/2"	180	102	172	45	69	68	92	66	66	6.3	B
TOP-S 25/10 DM	380	1"	1 1/2"	180	102	172	45	69	68	92	66	66	6.3	B
TOP-S 25/13 EM	260	1"	1 1/2"	180	92	156	30	68	64	89	60	44	5.2	A
TOP-S 25/13 DM	265	1"	1 1/2"	180	92	156	30	68	64	89	60	44	5.2	A
TOP-S 30/4 EM	180	1 ¼"	2"	180	92	156	50	53	65	88	60	44	5.0	A
TOP-S 30/4 DM	160	1 ¼"	2"	180	92	156	50	53	65	88	60	44	5.0	A
TOP-S 30/5 EM	140	1 ¼"	2"	180	92	150	40	50	52	88	60	44	5.0	A
TOP-S 30/5 DM	150	1 ¼"	2"	180	92	150	40	50	52	88	60	44	5.0	A
TOP-S 30/7 EM	195	1 ½"	2"	180	92	172	34	66	57	88	60	44	5.0	A
TOP-S 30/7 DM	200	1 ¼"	2"	180	92	172	34	66	57	88	60	44	5.0	A
TOP-S 30/10 EM	390	1 ¼"	2"	180	92	172	45	69	69	92	66	66	6.3	B
TOP-S 30/10 DM	380	1 ¼"	2"	180	92	172	45	69	69	92	66	66	6.3	B
TOP-S 40/4 EM	195	-	-	220	90	178	54	84	60	102	53	44	9.5	C
TOP-S 40/4 DM	195	-	-	220	90	178	54	84	60	102	53	44	9.5	C

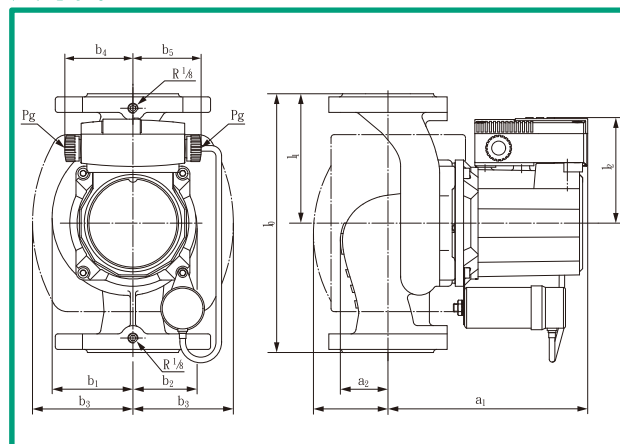
TOP-S IN-LINE 循環泵

TOP-S-60HZ

尺寸圖 D



尺寸圖 E

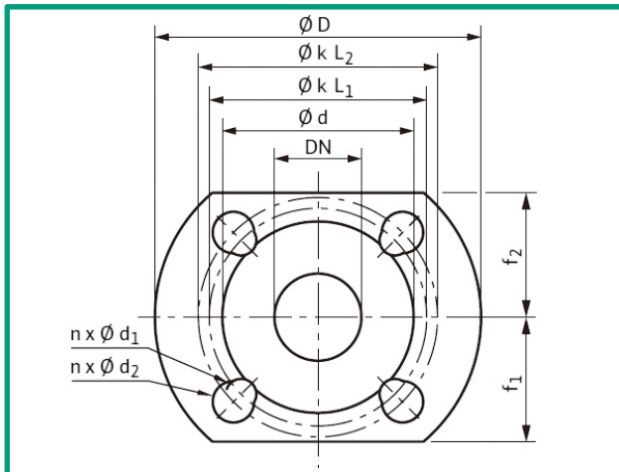


型 號	馬力	內徑	外徑	尺寸									重量	尺寸圖
	P1	Rp	G	lo	l2	a1	a2	b1	b2	b3	b4	b5	-	-
	[W]	-	-	[mm]									[kg]	-
TOP-S 40/7 EM	390	-	-	250	102	193	46	78	68	102	66	66	11	D
TOP-S 40/7 DM	370	-	-	250	102	193	46	78	68	102	66	66	11	D
TOP-S 40/10 EM	680	-	-	250	109	216	59	90	80	117	66	66	14.7	D
TOP-S 40/10 DM	585	-	-	250	109	216	59	90	80	117	66	66	14.7	D
TOP-S 40/15 EM	945	-	-	250	119	258	55	99	86	137	66	66	20.8	D
TOP-S 40/15 DM	905	-	-	250	119	258	55	99	86	137	66	66	20.8	D
TOP-S 50/4 EM	330	-	-	240	102	200	53	94	68	117	66	66	13.1	D
TOP-S 50/4 DM	330	-	-	240	102	200	53	94	68	117	66	66	13.1	D
TOP-S 50/7 EM	690	-	-	280	109	224	65	91	77	125	66	66	16.6	D
TOP-S 50/7 DM	610	-	-	280	109	224	65	91	77	125	66	66	16.6	D
TOP-S 50/10 EM	820	-	-	280	109	222	71	101	187	125	66	66	17.8	D
TOP-S 50/10 DM	880	-	-	280	109	222	71	101	187	125	66	66	17.8	D
TOP-S 50/15 DM	1570	-	-	340	119	242	81	105	190	139	66	66	24.9	D
TOP-S 65/7 EM	690	-	-	280	109	226	67	95	79	125	66	66	18.5	D
TOP-S 65/7 DM	590	-	-	280	109	226	67	95	79	125	66	66	18.5	D
TOP-S 65/10 EM	790	-	-	340	109	241	67	110	89	132	66	66	21	D
TOP-S 65/10 DM	845	-	-	340	109	241	67	110	89	132	66	66	21	D
TOP-S 65/13 EM	1450	-	-	340	119	254	67	118	98	142	66	66	27.2	D
TOP-S 65/15 DM	1685	-	-	340	119	254	81	118	98	142	66	66	30.4	D
TOP-S 80/7 EM	800	-	-	360	109	227	81	116	89	140	66	66	23.4	E
TOP-S 80/7 DM	730	-	-	360	109	227	80	116	89	140	66	66	23.4	E
TOP-S 80/10 DM	1590	-	-	360	119	256	80	135	107	162	66	66	30.1	D
TOP-S 80/15 DM	2400	-	-	360	143	316	95	129	108	152	66	66	42.1	D
TOP-S 80/20 DM	3120	-	-	360	143	316	89	129	108	152	66	66	45.5	D
TOP-S 100/10 EM	1590	-	-	280	119	256	96	135	108	162	66	66	33.2	D

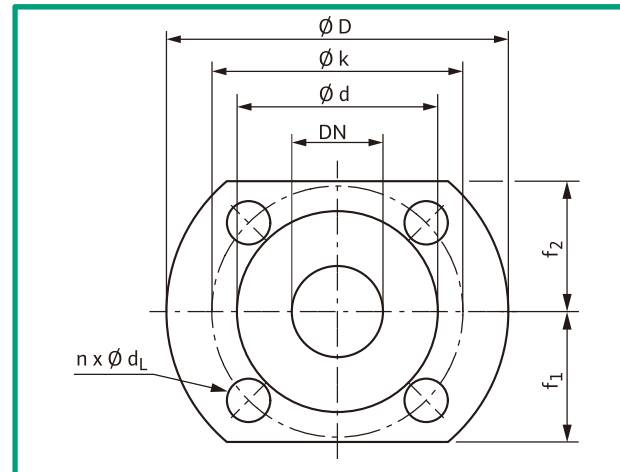
TOP-S IN-LINE 循環泵

TOP-S-60HZ

法蘭圖 F



法蘭圖 G



型 號	尺寸								尺寸圖
	$\varnothing D$	f_1	f_2	$\varnothing d$	$\varnothing k L_1 / k L_2$	$\varnothing K$	$n k \varnothing d L_1 / \varnothing d L_2$	$n \times \varnothing d_L$	-
	[mm]								-
TOP-S 40/4	150	65	65	84	100/110	-	4x14/19	-	F
TOP-S 40/7	150	65	65	84	100/110	-	4x14/19	-	F
TOP-S 40/10	150	65	65	84	100/110	-	4x14/19	-	F
TOP-S 40/15	150	65	65	84	100/110	-	4x14/19	-	F
TOP-S 50/4	165	70	70	99	110/125	-	4x14/19	-	F
TOP-S 50/7	165	70	70	99	110/125	-	4x14/19	-	F
TOP-S 50/10	165	70	75	99	110/125	-	4x14/19	-	F
TOP-S 50/15	165	75	83	99	110/125	-	4x14/19	-	F
TOP-S 65/7	185	80	80	118	130/145	-	4x14/19	-	F
TOP-S 65/10	185	80	80	118	130/145	-	4x14/19	-	F
TOP-S 65/13	185	80	80	118	130/145	-	4x14/19	-	F
TOP-S 65/15	185	80	80	118	130/145	-	4x14/19	-	F
TOP-S 80/7	200	90	90	132	-	150	-	4x19	G
TOP-S 80/7	200	90	90	132	-	160	-	8x19	G
TOP-S 80/10	200	90	90	132	-	150	-	4x19	G
TOP-S 80/10	200	90	90	132	-	160	-	8x19	G
TOP-S 80/15	200	90	90	132	-	150	-	4x19	G
TOP-S 80/15	200	90	90	132	-	160	-	8x19	G
TOP-S 80/20	200	90	90	132	-	170	-	4x19	G
TOP-S 80/20	200	90	90	132	-	160	-	8x19	G
TOP-S 100/10	220	100	100	156	-	170	-	4x19	G
TOP-S 100/10	220	100	100	156	-	180	-	8x19	G

High Efficiency²⁰¹¹

威樂：高效節能的世界代名詞

High Efficiency⁷⁰

High Efficiency 70

水就是生命。地球表面70%是水，人體成分70%也是水，因此對於我們的企業來說；哪裡有水，哪裡就有威樂。自1872年來一直如此，將來更會如此。

High Efficiency^{23.000.000.000}

High Efficiency 23.000.000.000

持續、強勁和有效—這一主旋律將威樂泵產品的重要性能整合為一體。並以一個有力的數據體現了我們驚人的成就；每年節省230億度電。

High Efficiency^{11.000.000}

High Efficiency 11.000.000

越低的耗電量意味著越少的溫室氣體排放—但透過使用供暖高效節能泵浦，就可減少一千一百萬噸CO₂的排放。

High Efficiency^{4.000.000.000}

High Efficiency 4.000.000.000

環保具有經濟價值時才有效益，因此我們的高效率泵浦不但能減少排放溫室氣體，而且還節省開支；每年可省下40億歐元電費—歐洲平均每人8歐元。

High Efficiency²⁰¹⁵

High Efficiency 2015

我們的訴求，現在甚至成為了法律規範，自2013及2015年起歐盟將規定極為嚴格的泵浦效率值，而我們的產品早在十幾年前既已滿足了這些效率值。

High Efficiency²⁰¹³

High Efficiency 2013

在高效節能泵浦方面的多年經驗及廣泛的產品系列，使我們在頒布高效率標準前已位居首位，並且與我們的客戶一起名列前茅。

High Efficiency[∞]

High Efficiency ∞

在節能高效率方面的優勢有賴於我們全球6000多名的員工，從他們的經驗，知識和才能中產生了無窮無盡的寶貴財產：創意。

High Efficiency²⁰

High Efficiency 20

無限的創意潛能讓我們總是不斷的發明創新，威樂員工每年多於20項的專利成果證明了這點。

High Efficiency^{0.00007}

High Efficiency 0.00007

要實現偉大的創意，就必須在品質上嚴格把關。就算是70微米的毫髮之差我們也決不允許，在嚴格精密的產品測試中，即便最微小的缺點都能被發現。

High Efficiency⁹⁰

High Efficiency 90

經研究、開發和品管而得到的產品，在高效節能方面確立無可質疑的標準。節能省電高達90%—難以超越的典範。

High Efficiency²³

High Efficiency 23

透過舒適怡人的23°C居室溫度以及家庭開支中節省下來的大筆費用，我們的高效節能泵浦為您帶來愜意的生活環境。

High Efficiency⁸⁵

High Efficiency 85

高效節能對於經濟層面的關係有很大的好處。電費占泵浦產品生命週期成本的85%，威樂產品生命週期的查詢能迅速為企業顯示節能的空間。