

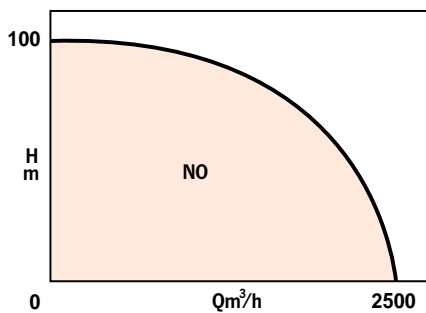
OPERATING LIMITS

Flow-rates up to:	2500 m ³ /h
Heads up to:	100 m
Service pressure:	10 and 16 bar
Temperature range:	- 20° to + 120°C
ND of ports:	NDS : 50 to 500 NDD : 32 to 500

NO

STANDARDIZED SINGLE STAGE PUMPS ACCORDING TO EN 733

Housing, Agriculture, Industry
50 Hz



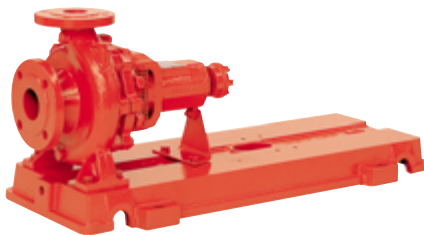
APPLICATIONS

- Water supply.
- Sprinkling - Irrigation.
- Pressure boosting.
- Fire protection (sprinklers).
- Heating and air-conditioning systems.
- Water supply to swimming pools, fountains.
- Pumping and transfer of industrial fluids...

(For seawater, contact us).



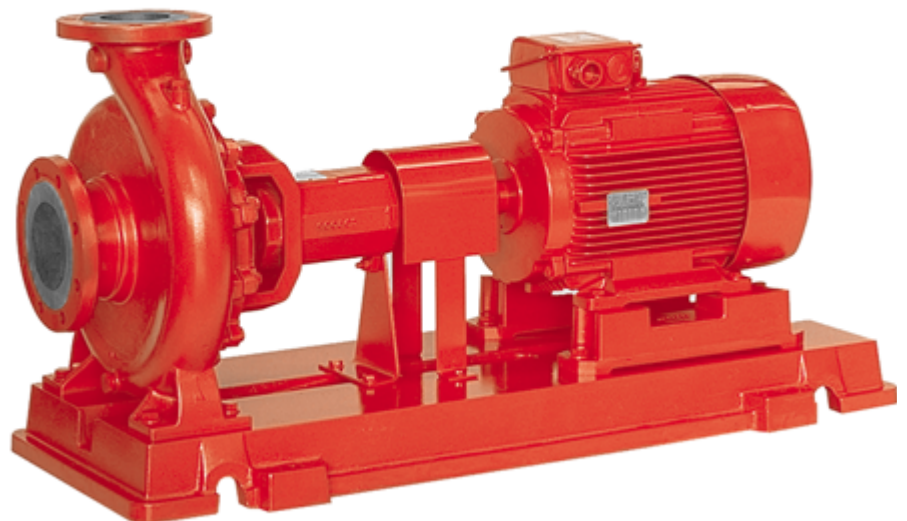
• Pump with bare shaft



• Pump on base with coupling, without motor



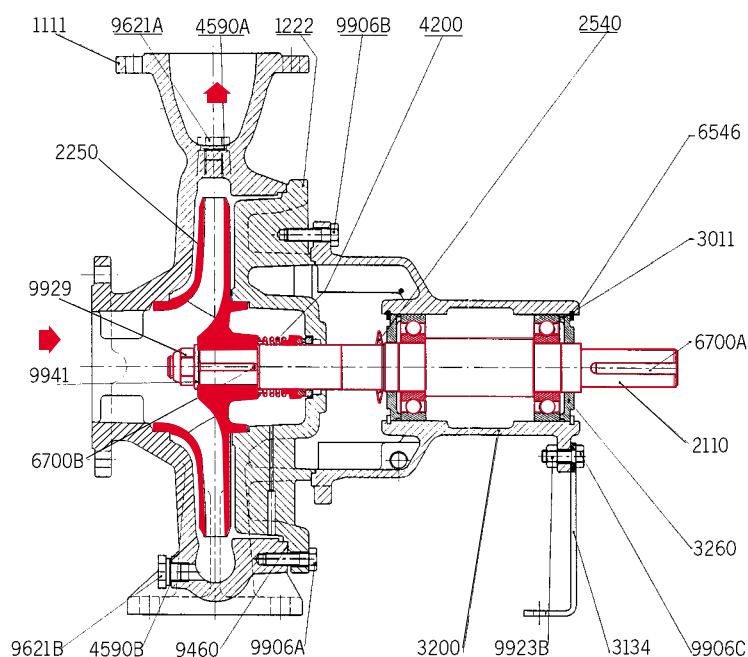
OPTION : spacer coupling, allows removal of hydraulic assembly without removing the motor and without disconnecting the pump from the pipes



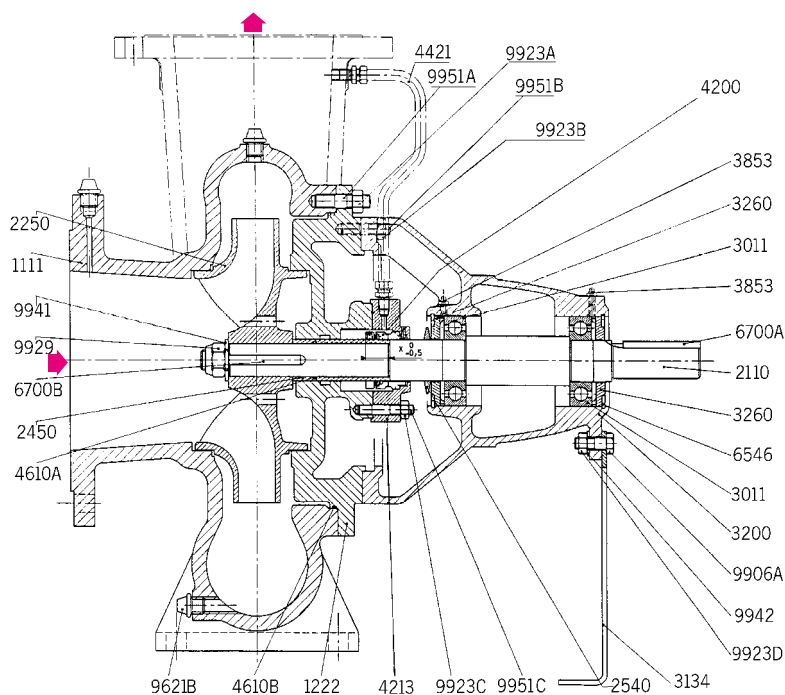
• Complete assembly on base

SECTIONAL DRAWINGS

PUMPS ON H1 - H21 - H31 BEARINGS - STANDARD



PUMPS ON H22- H32 - H4 - H51 - H52 - H61 - H62 BEARINGS - EXTENSION



PARTS LIST

- 1111 – Pump casing
- 1222 – Casing cover with stuffing box
- 2110 – Pump shaft
- 2250 – Radial flow impeller shrouded
- 2450 – Shaft sleeve
- 2540 – Thrower
- 3011 – Radial ball bearings
- 3134 – Bearing strut
- 3200 – Bearing housing
- 3260 – Bearing cover
- 3853 – Grease nipple
- 4200 – Mechanical seal
- 4213 – Carrier for mechanical seal
- 4421 – Shaft seal pipe
- 4590A – Gasket under plug 9621A
- 4590B – Gasket under plug 9621B
- 4610A – O-ring under shaft sleeve
- 4610B – O-ring, casing-spacer
- 6546 – Circlip (bearing cover)
- 6700A – Coupling key
- 6700B – Impeller key
- 9460 – Pump casing gasket
- 9621A – Pressure gauge port plug
- 9621B – Casing drain plug
- 9906A – Screw, casing-strut unit
- 9906B – Screw, casing-bearing unit
- 9906C – Screw, strut
- 9923A – Nut of stud 9951A (packing)
- 9923B – Nut of screw 9906C
- 9923C – Nut of stud 9951C
- 9923D – Nut of stud 9951B
- 9929 – Self-locking shaft-spacer nut
- 9941 – Plain washer under nut 9929
- 9942 – Plain washer under nut 9923B
- 9951A – Stud of gland (packing)
- 9951B – Casing-spacer stud
- 9951C – Spacer-bearing unit stud

(•) Recommended spare parts.

NO

FEATURES

CASING

Open on drive side to allow removal of mechanical assembly from rear.
Attachment lugs under volute.
Axial suction, radial discharge upward.
Machined flanges to standard NFE 29201 (DIN 2533).

- ND 32 to 150 : PN 10/16
- ND 150 to 500 : PN 10, extension to standard.

SPACER

Clamped between casing and bearing unit.
With space provided to receive the shaft seal system, mechanical seal (or optional fabric packing).

BEARING UNIT

Single stage, amply dimensioned and supported by a strut.
Ball bearings with deep shaft guide race, lubricated by grease.
A centrifugal thrower protects against any infiltration of liquid.

SHAFT

Amply dimensioned to lengthen the life of the packing.
Lined with fabric packing and with H4, H51, H52, H61, and H62 bearings.

IMPELLER

Closed, radial, with rear seal and balancing holes.

Adapted (trimmed) on request to achieve the Q/H the installation requires.

Optionally, front and rear wear rings and Bronze version for SPRINKLER networks.

SHAFT SEALING

By single, standardized mechanical seal, mounted directly on shaft, requiring no maintenance in operation.

COUPLING

Standard, semi-elastic with no spacer (spacer optional).

MAXIMUM SERVICE PRESSURE AT DISCHARGE

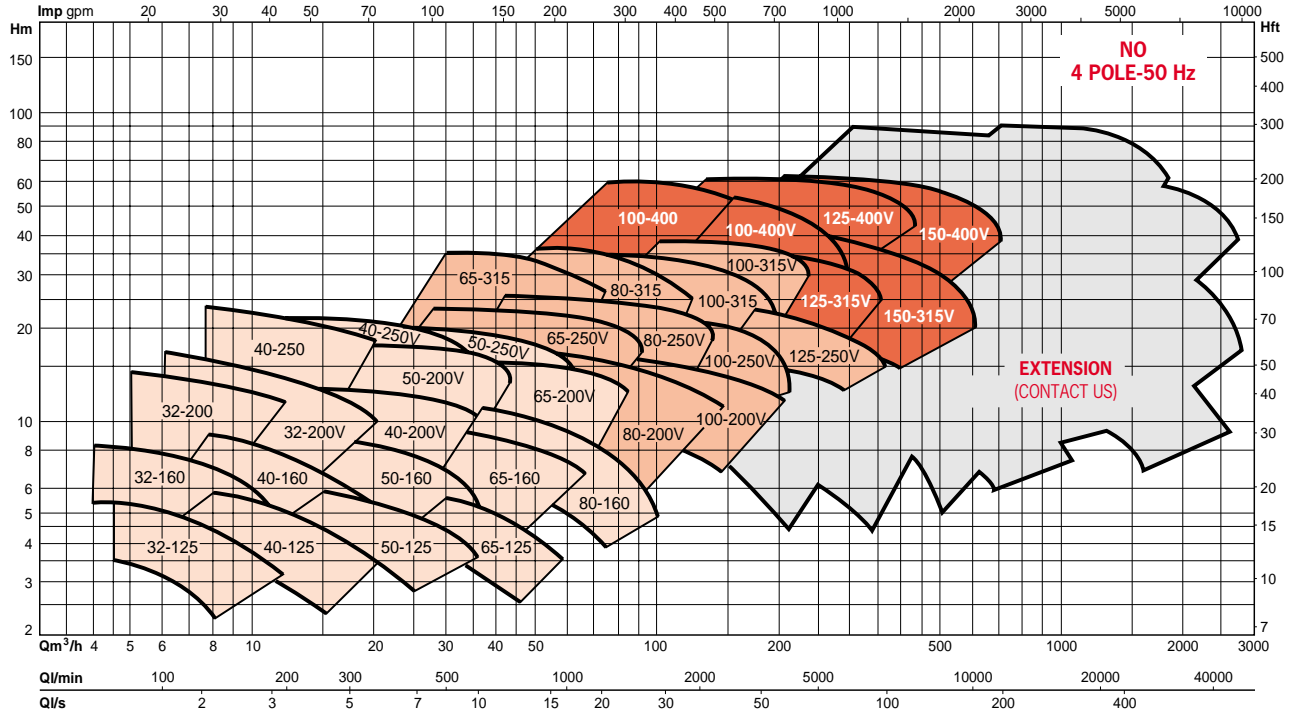
PN	Type of NO pump	Service temperature	
		≤+120°C	≤+135°C
16 bar	32-125-H1	16 bar	10 bar
	32-160-H1		
	32-200-H1		
	32-200V-H1		
	40-125-H1		
	40-160-H1		
	40-200V-H1		
	40-250-H1		
	40-250V-H1		
	50-125-H1		
	50-160-H1		
	50-200V-H1		
	50-250V-H1		
	65-125-H1		
	65-160-H1		
	65-200V-H1		
	65-250V-H21		
	65-315-H21		
	80-160-H1		
	80-200V-H21		
80-250V-H21			
80-315-H21			
100-200V-H21			
100-250V-H21			
100-315-H21			
100-315V-H21			
100-400-H31			
100-400V-H31			
125-250V-H21			
125-315V-H31			
125-400V-H31			
150-315V-H31			
150-400V-H31			

PN bar	Type of NOH pump	Service temperature	
		≤+105°C	≤+110°C
16	65-315-H32	16 bar	16 bar
	100-315-H32	16 bar	16 bar

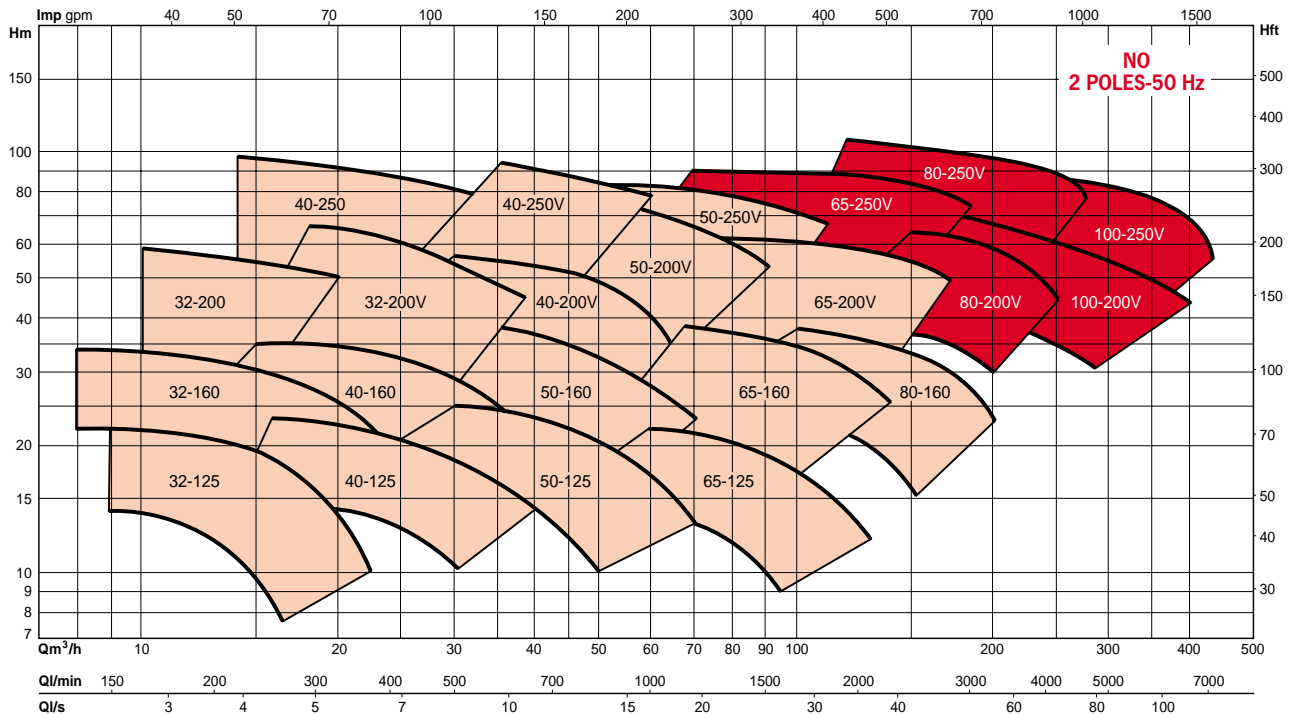
Type of NOE pump	Service temperature	
	Fabric packing ≤+105°C	
	G.M. ≤+80°C	
	FGL 250	FGS 400-15
150-200-H22	4 bar	6 bar
200-315-H4		
200-355-H4	8 bar	12 bar
200-400-H51		
200-500-H52	10 bar	15 bar
250-250-H4	4 bar	6 bar
250-315-H4		
250-355-H51	8 bar	12 bar
250-400-H51		
250-500-H52	10 bar	15 bar
300-300-H4	4 bar	6 bar
300-400-H51	8 bar	12 bar
300-450-H52		
300-500-H61	10 bar	15 bar
350-350-H52	4 bar	6 bar
400-500-H61	6,5 bar	10 bar
400-650-H61		
500-500-H62	4 bar	6 bar

PRESELECTION HYDRAULIC PERFORMANCE

EXTENSION: Individual graphs of pumps available on request.

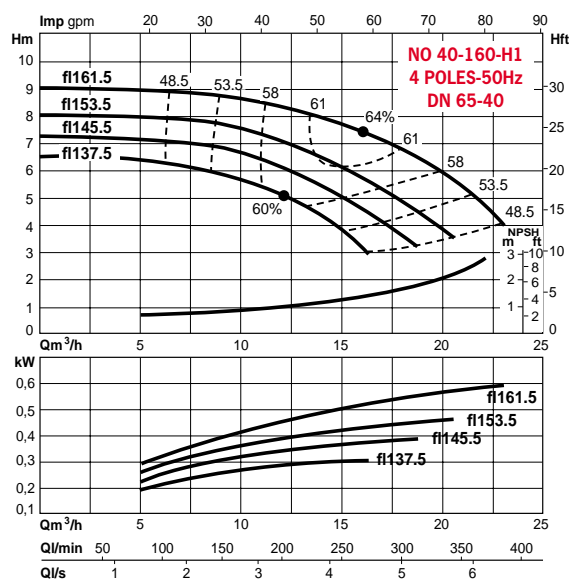
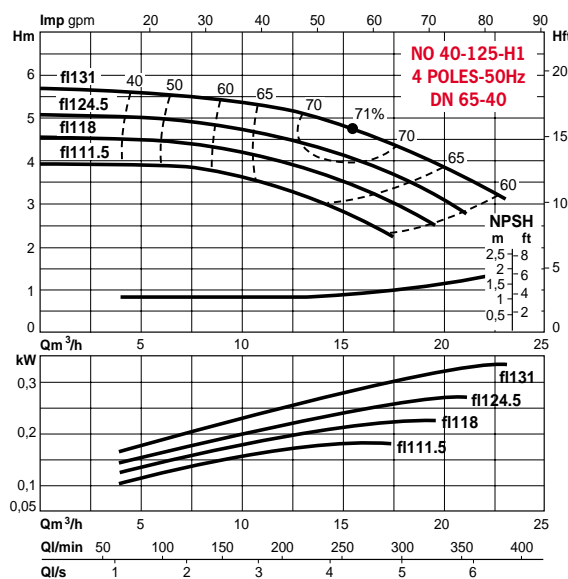
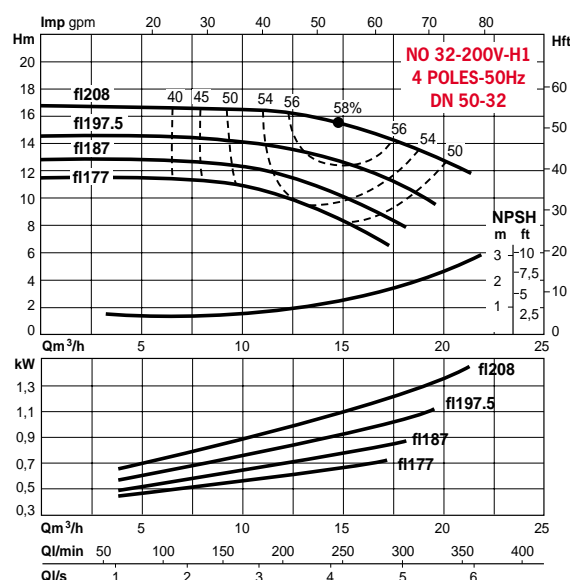
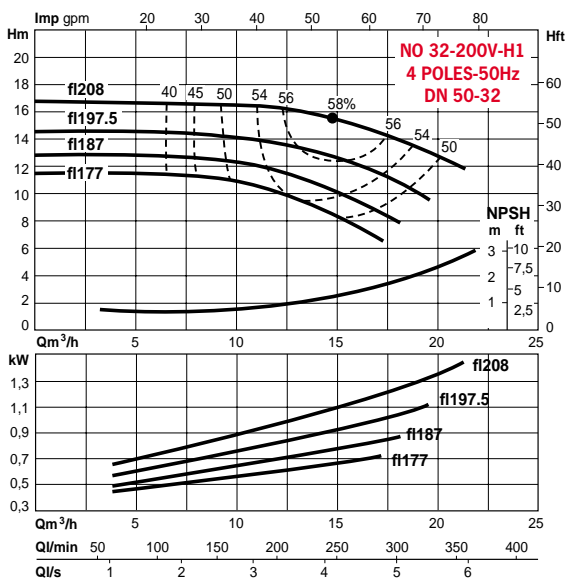
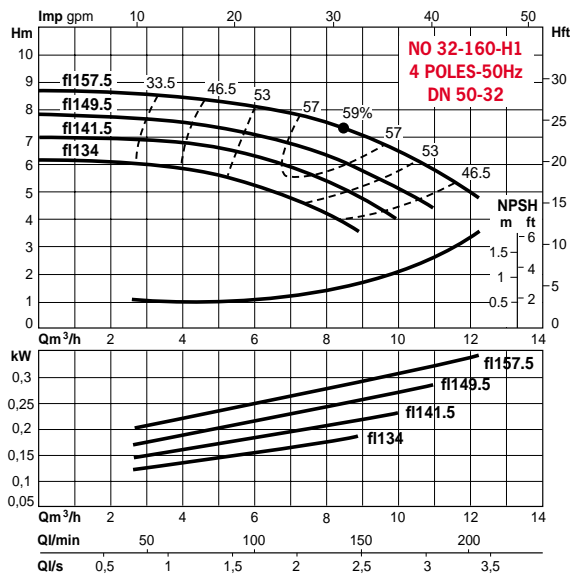
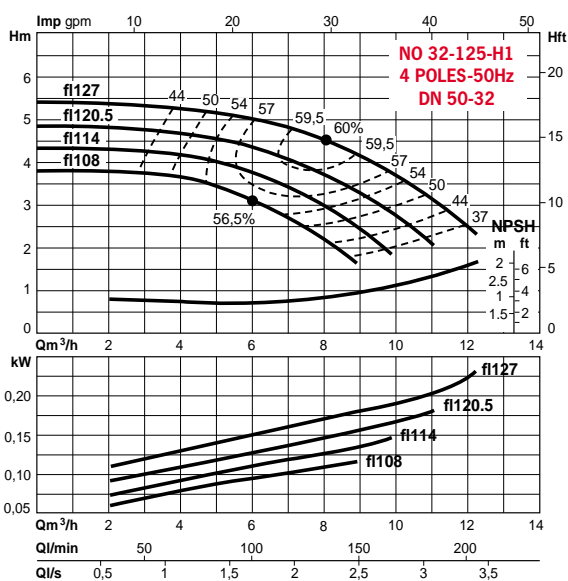


Pumps using the same bearing are identified by the same colour.

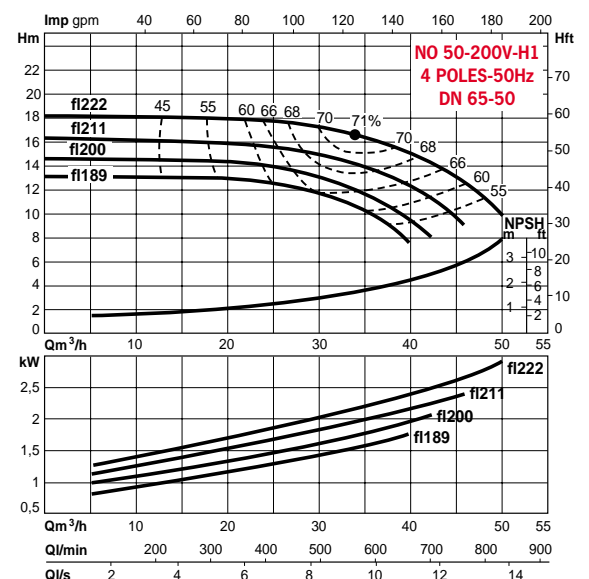
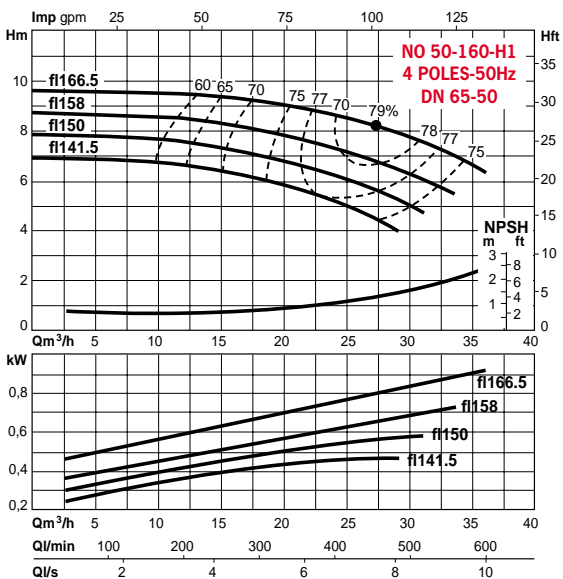
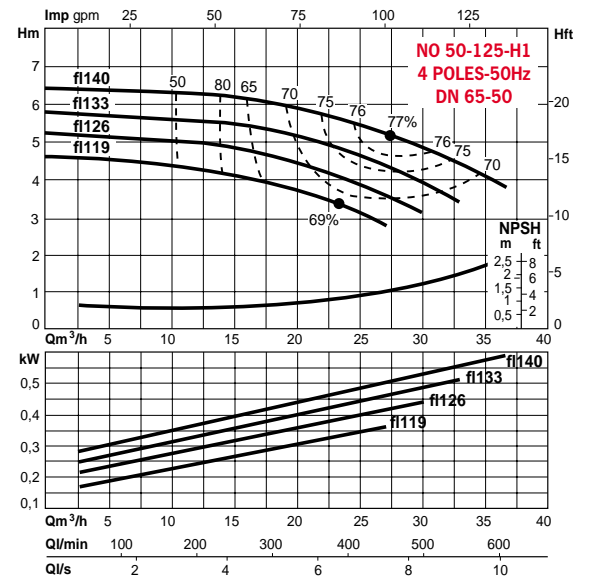
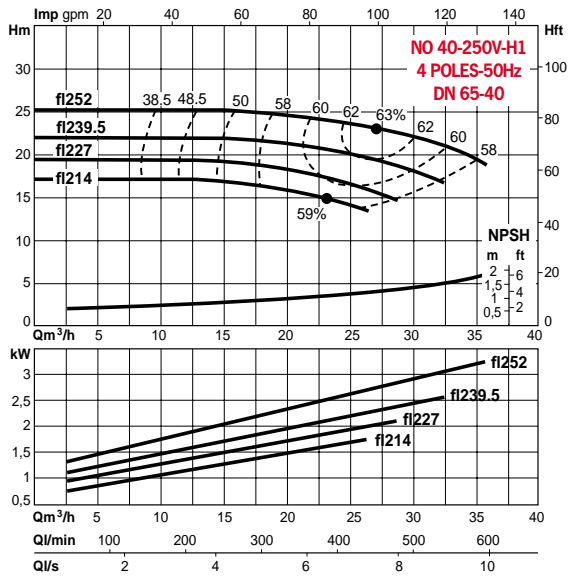
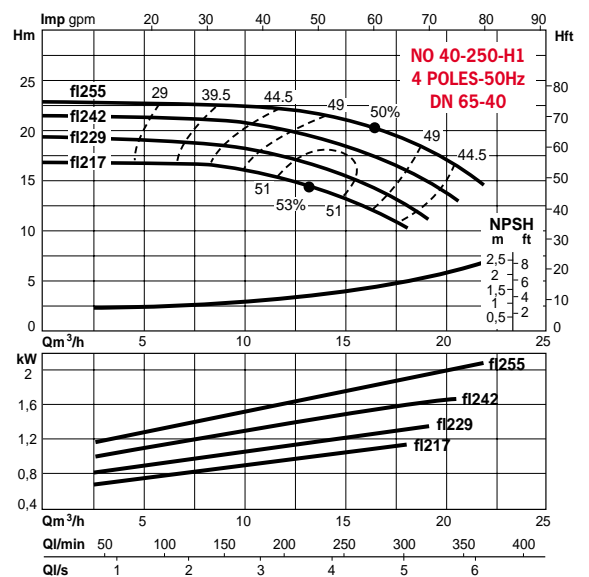
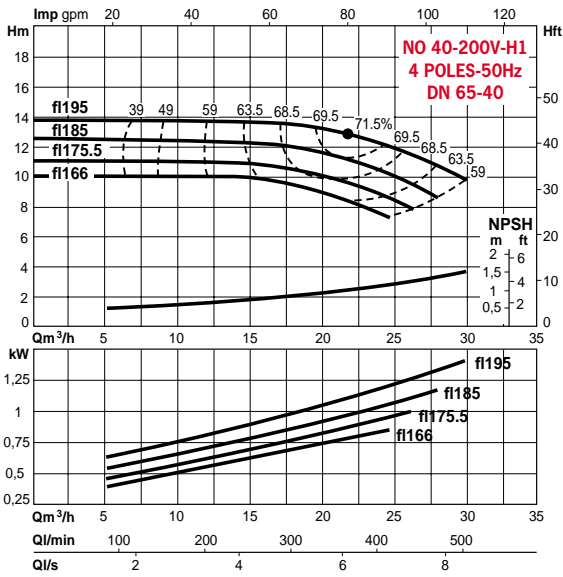


NO

1450 rpm

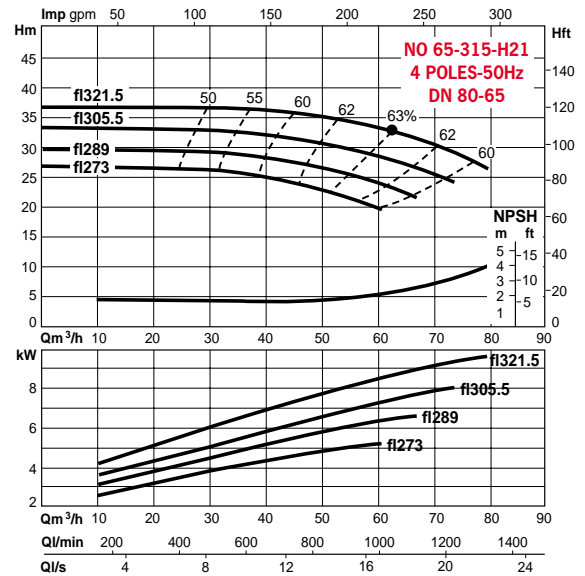
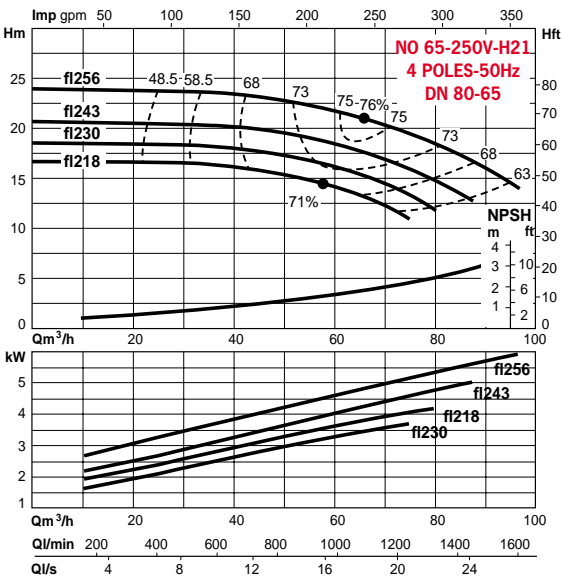
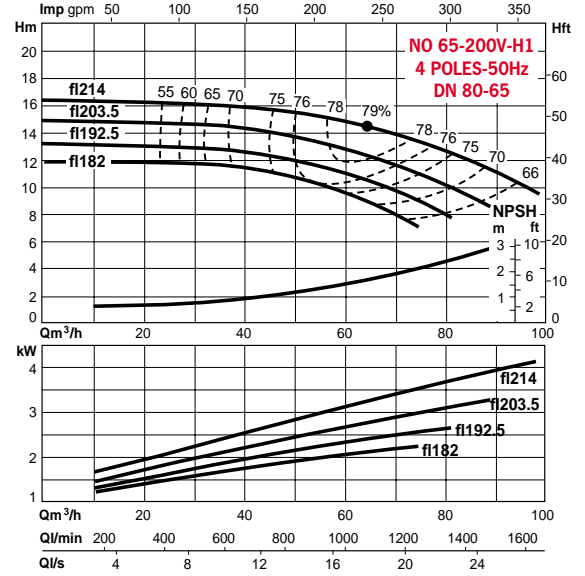
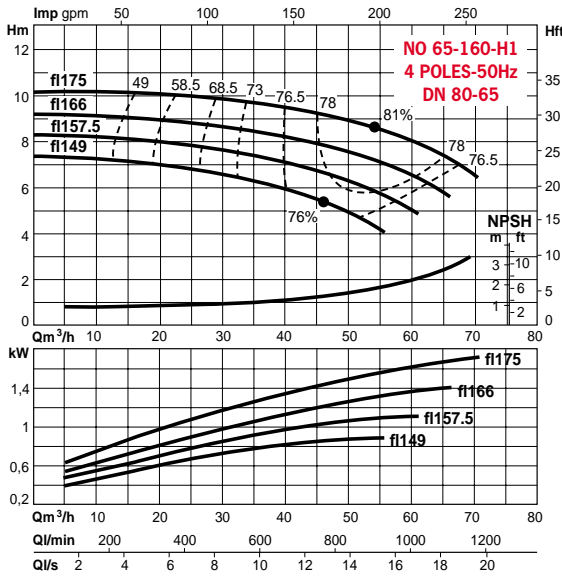
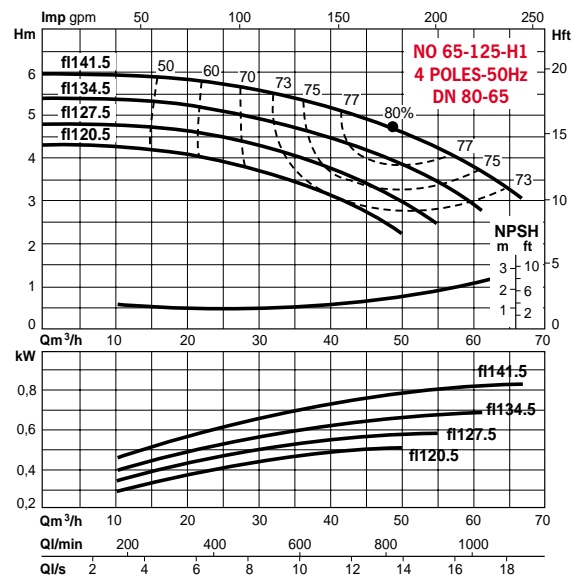
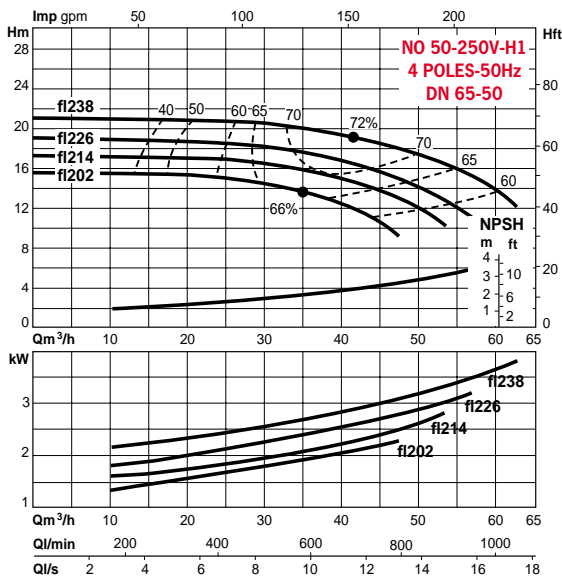


1450 rpm



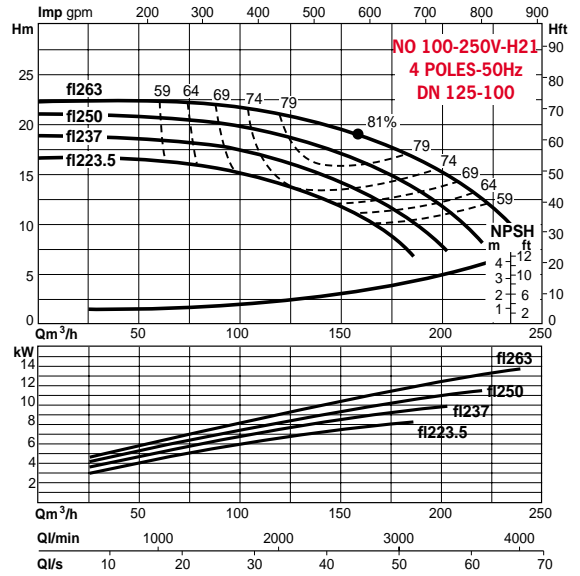
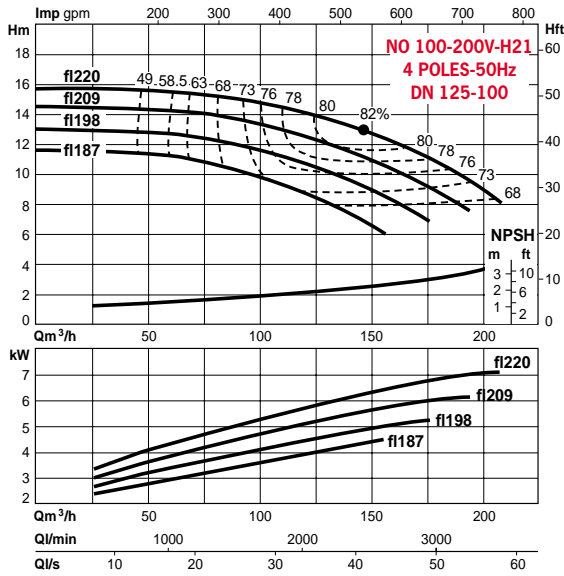
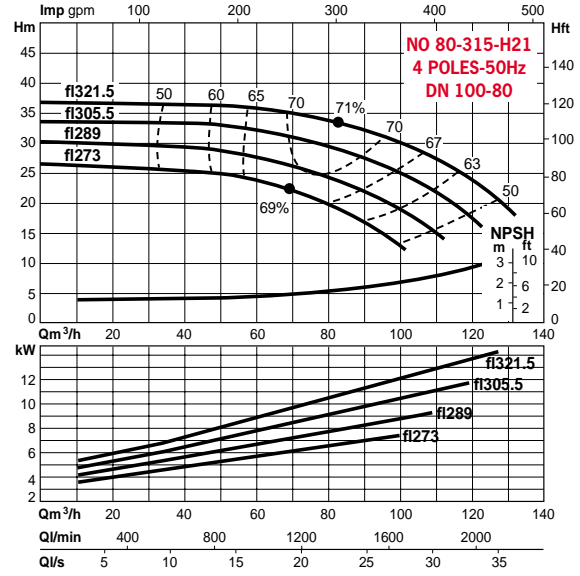
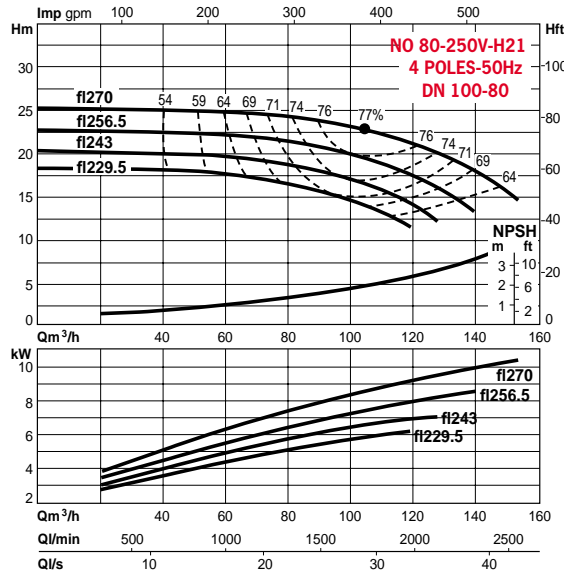
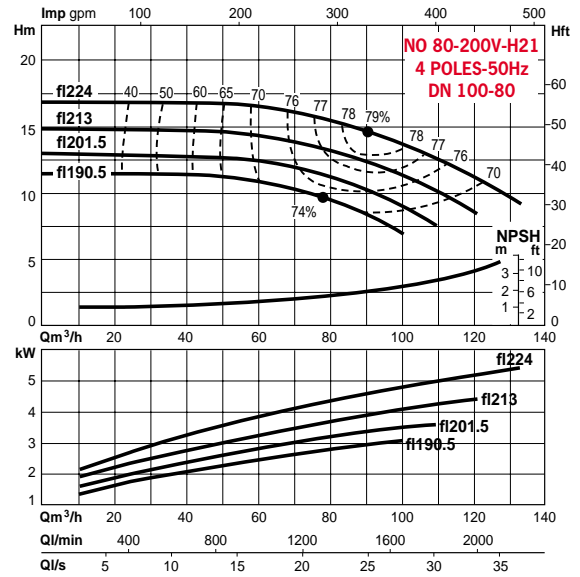
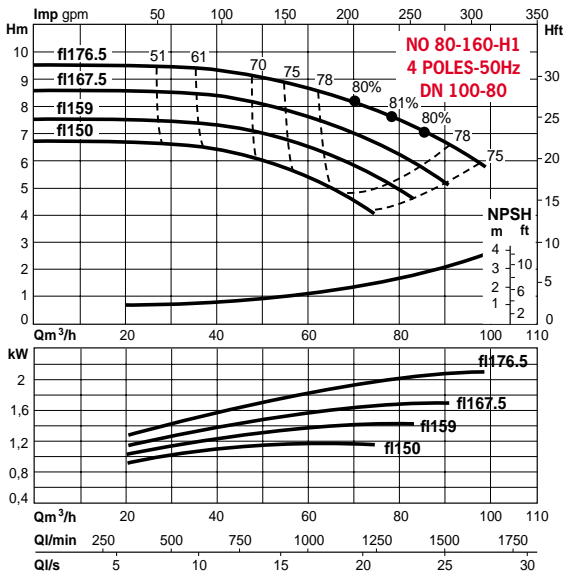
NO

1450 rpm



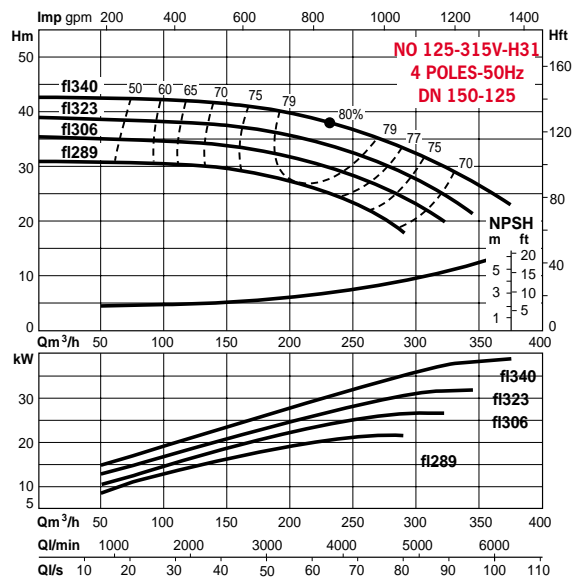
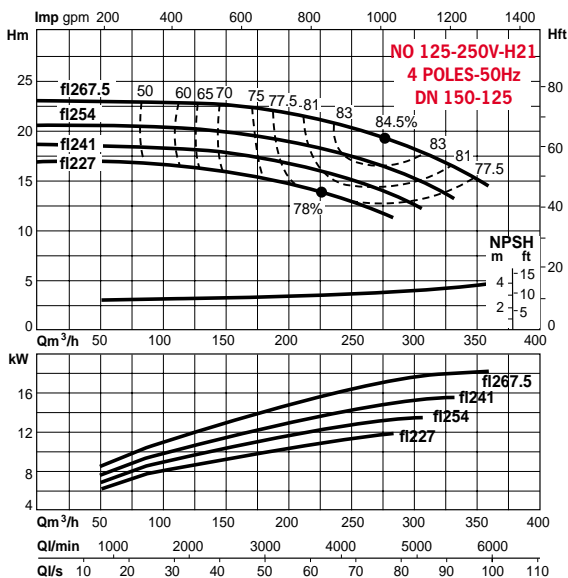
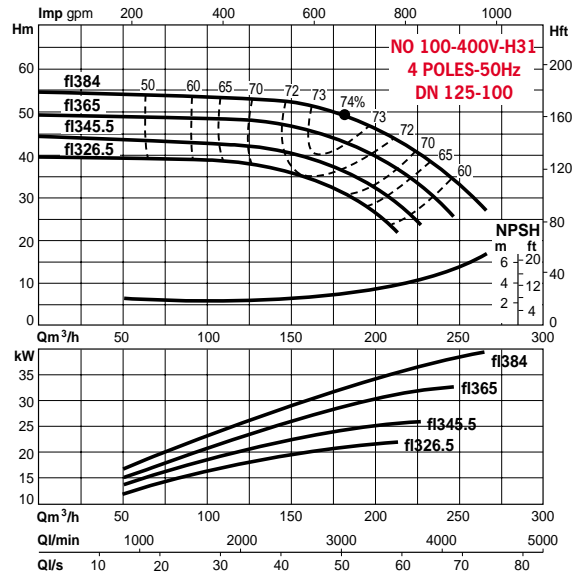
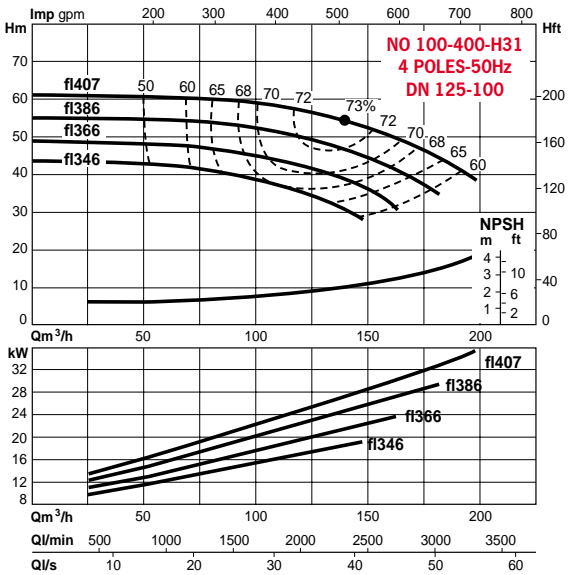
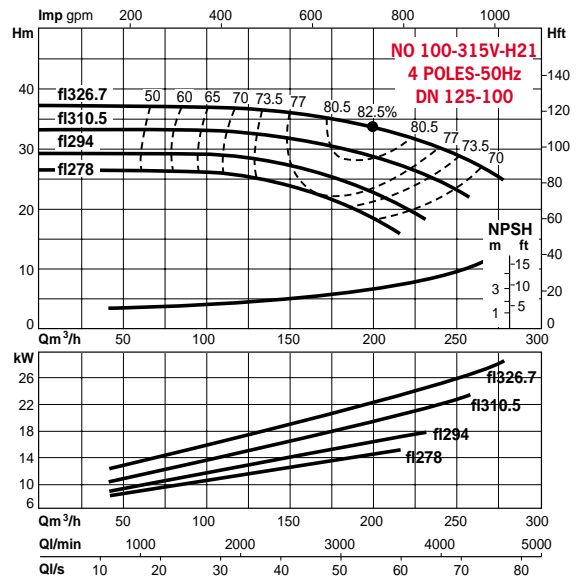
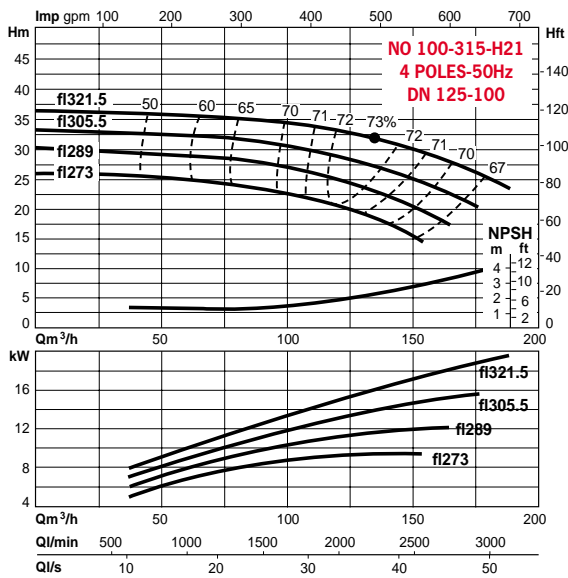
1450 rpm

NO



NO

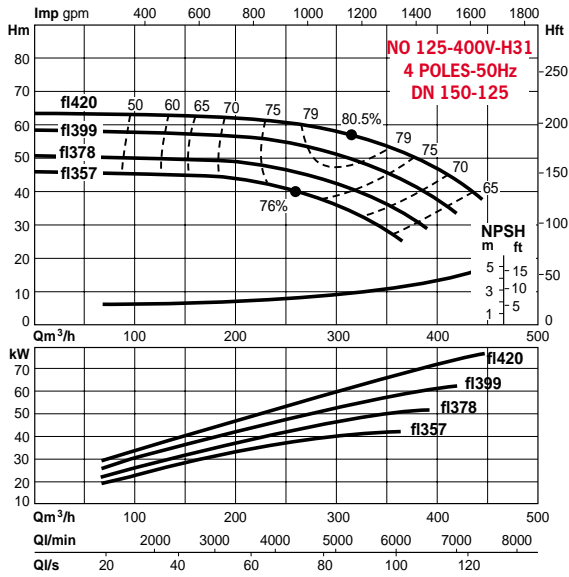
1450 rpm



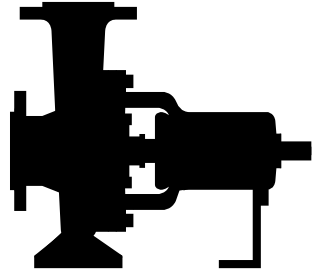
1450 rpm

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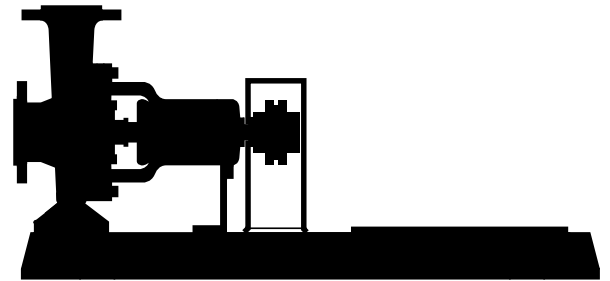
OVERVIEW OF SUPPLIES



Pump with bare shaft,
without counter-
flanges, gaskets
and bolts.

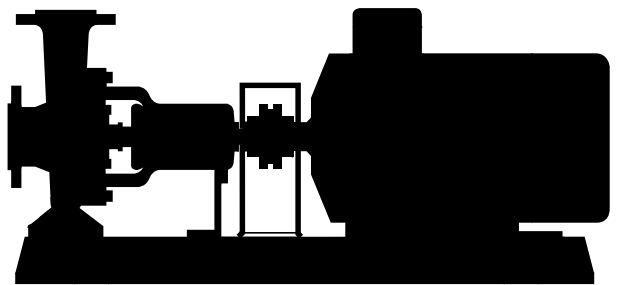


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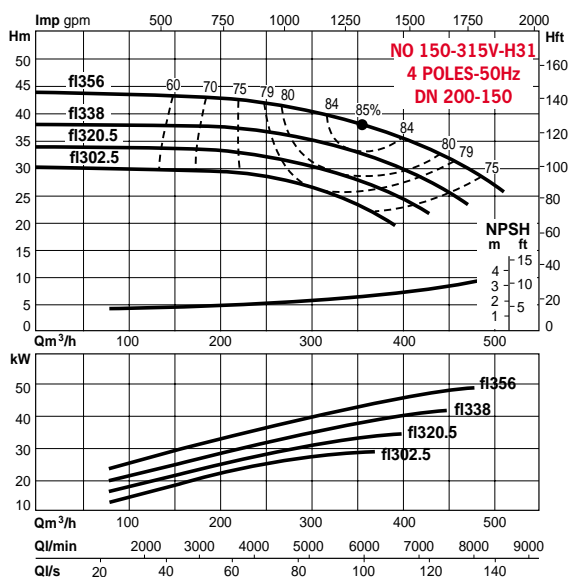
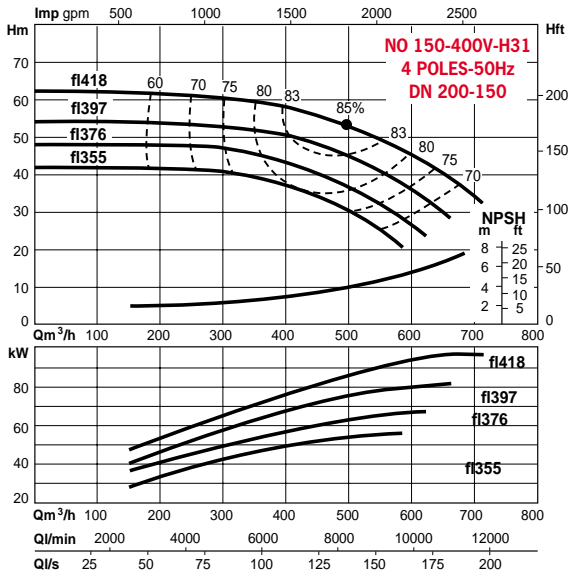


Pump on base with coupling and guard, no motor
or counter-flanges, gaskets and bolts.

OR



Complete assembly on base with electric motor, coupling without
spacer and guard, without counter-flanges, gaskets and bolts.

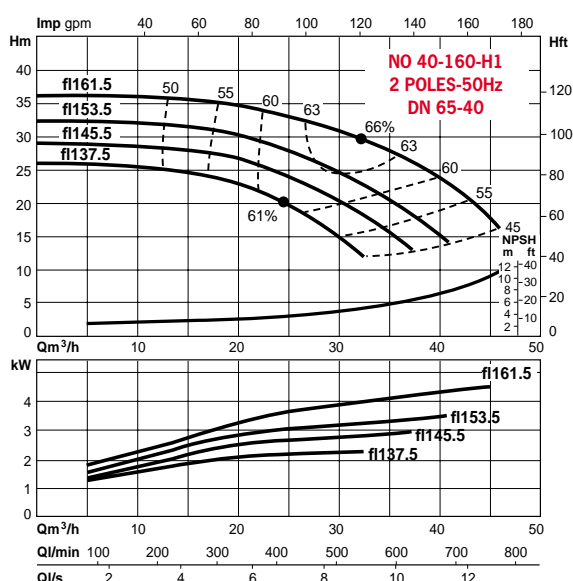
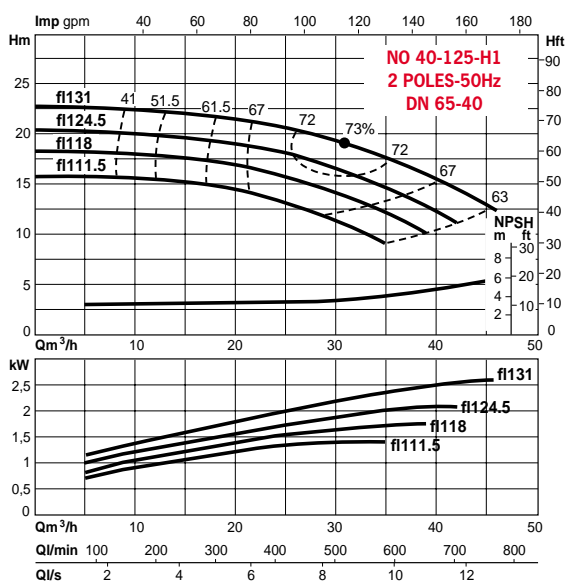
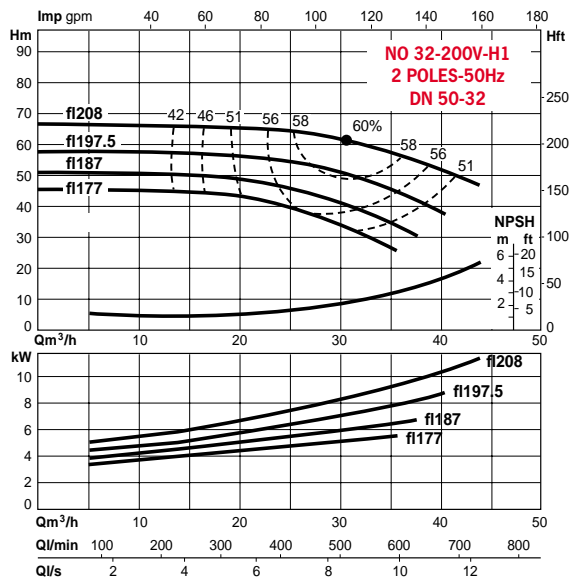
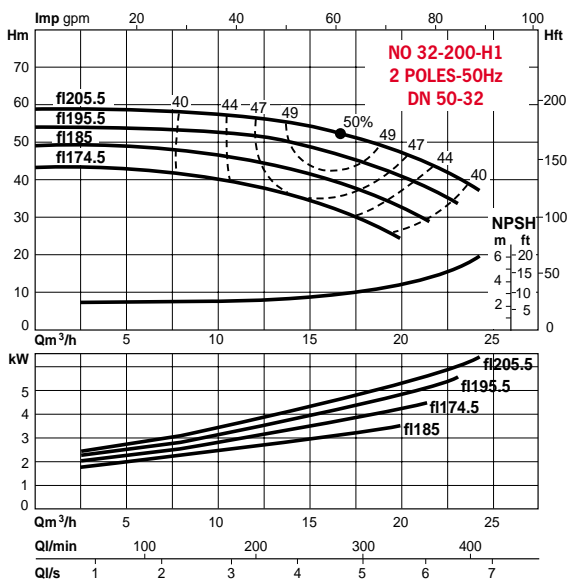
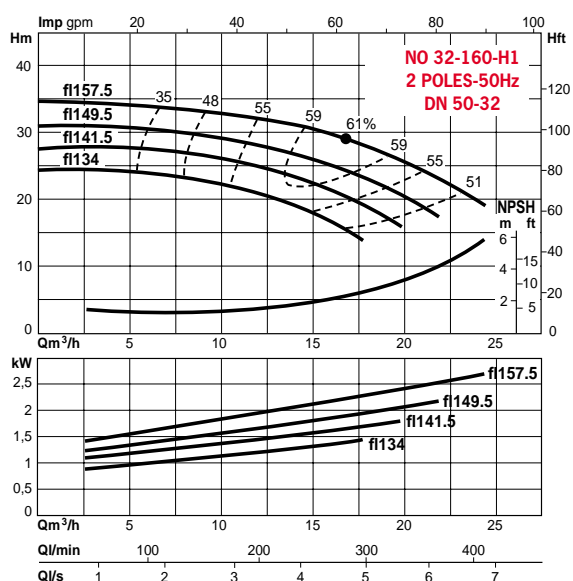
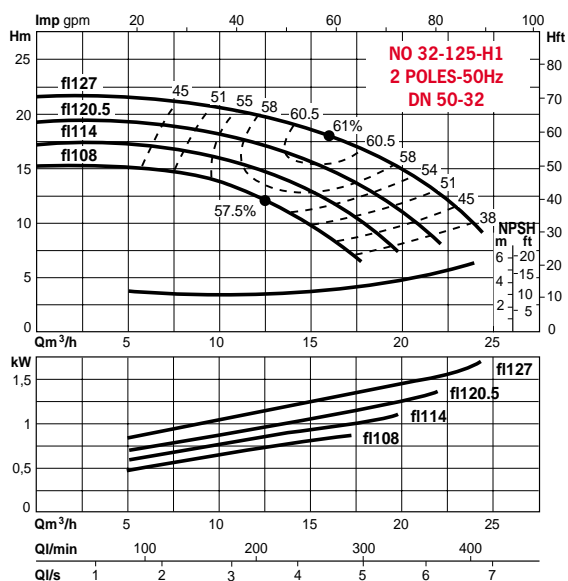


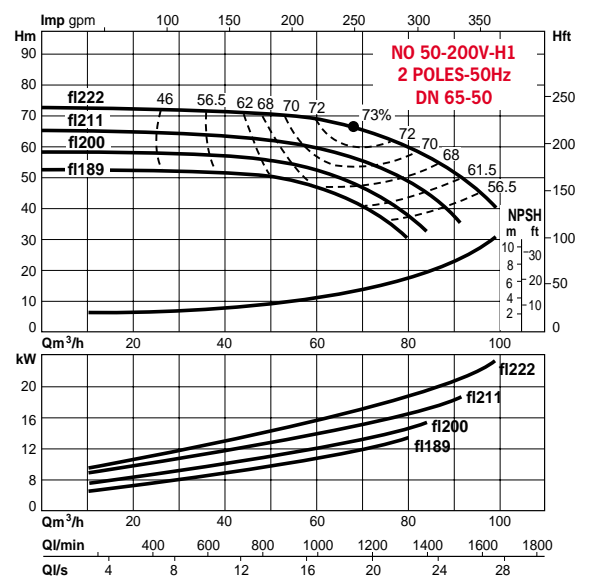
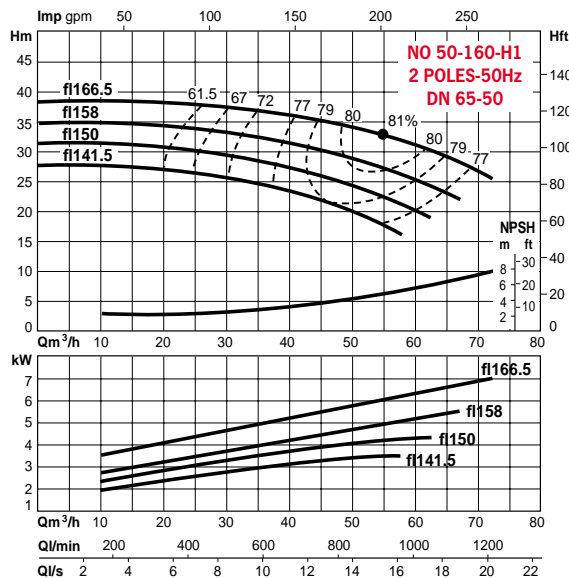
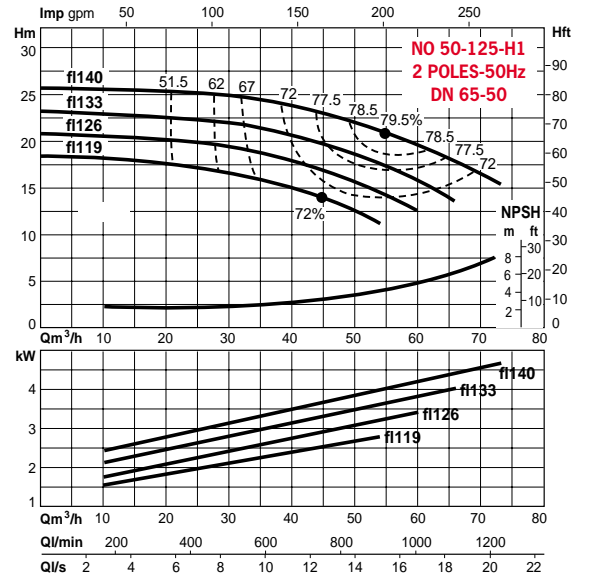
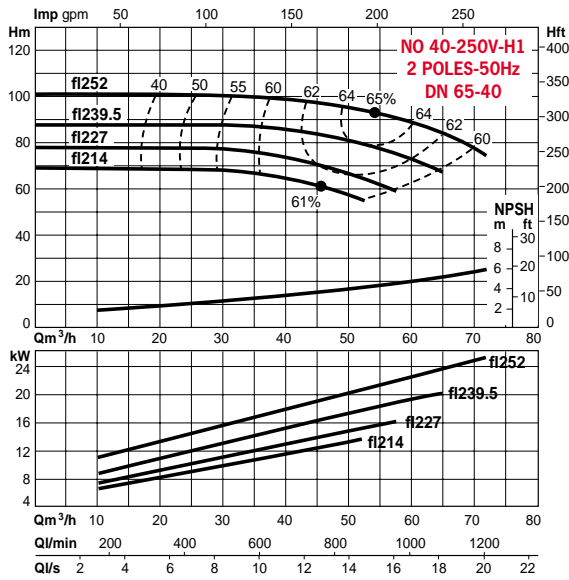
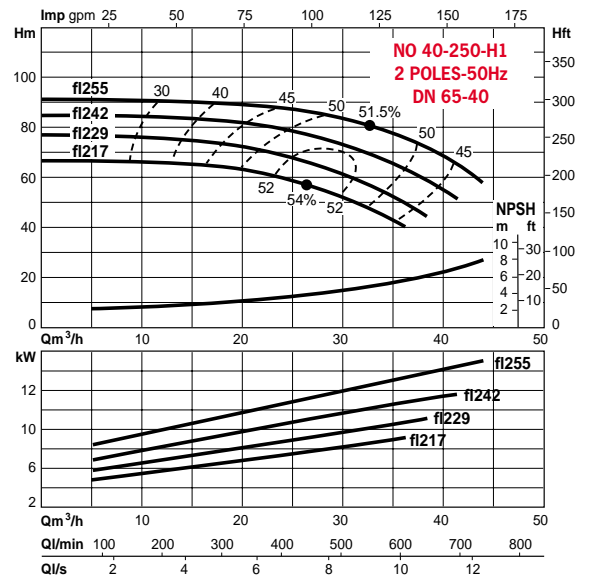
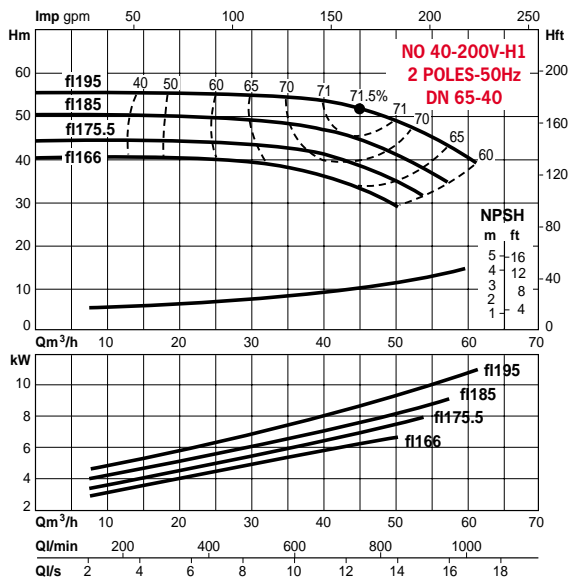
EXTENSION (1450 RPM)

Individual curves for pumps
on bearings H4, H51, H52, H61, H62,
and D3,
supplied on request
(ask the nearest Salmson branch office).

NO

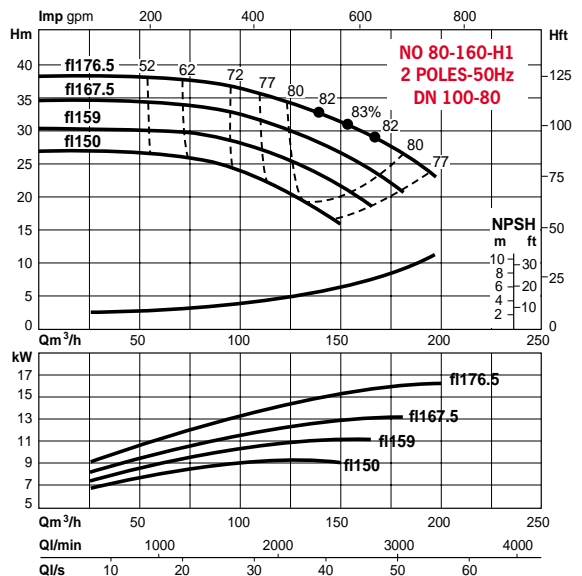
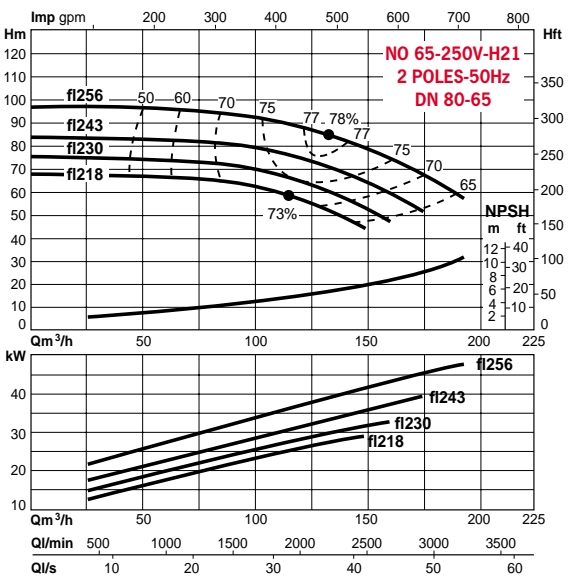
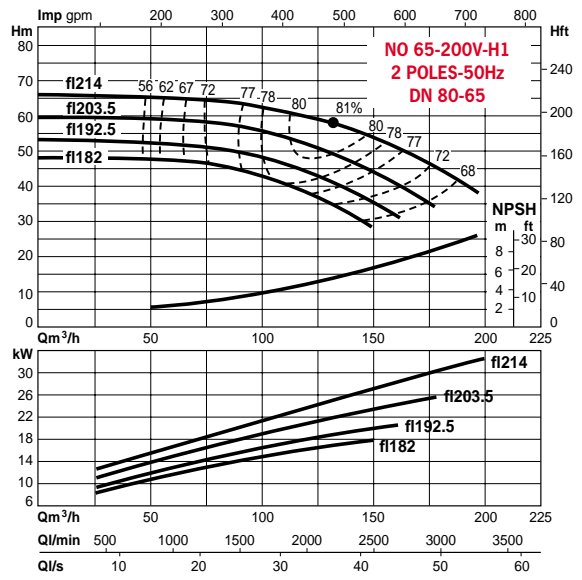
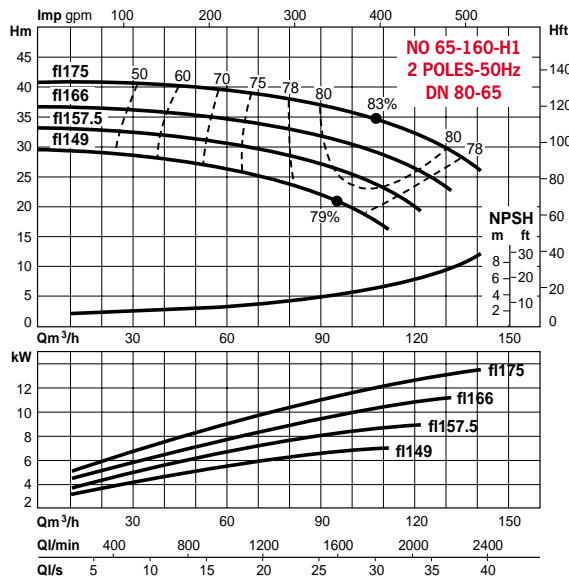
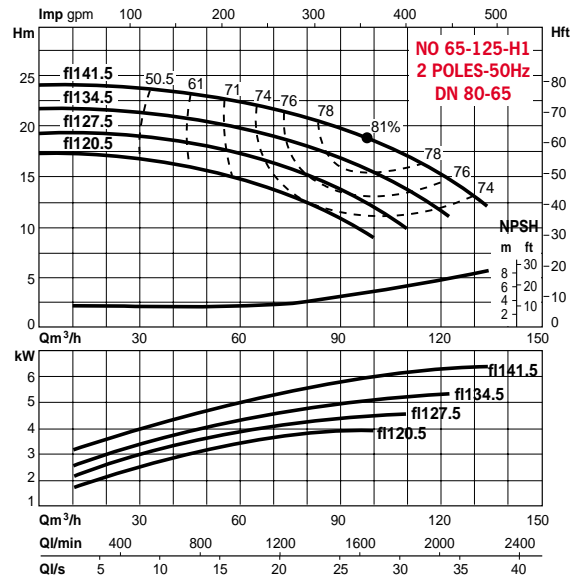
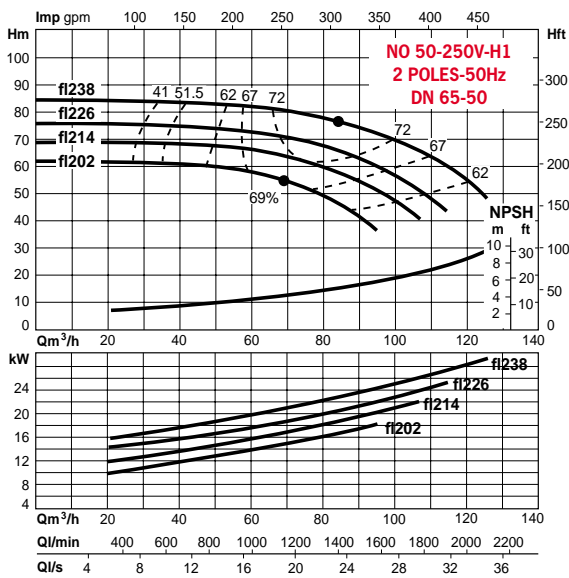
2900 rpm





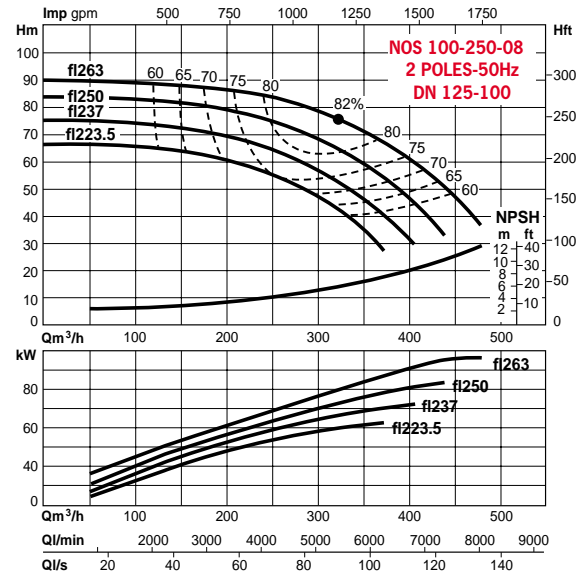
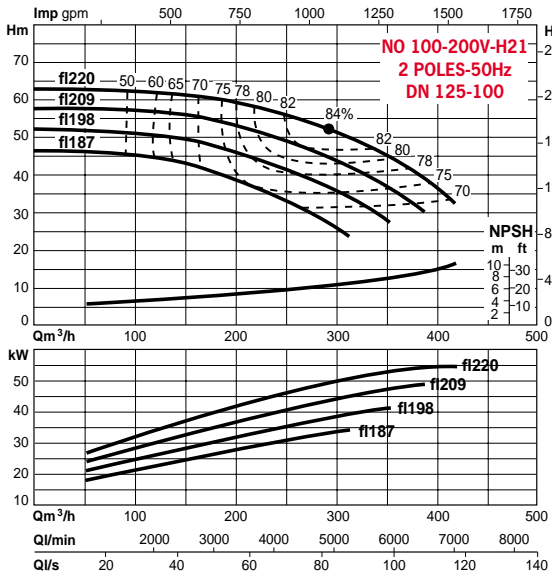
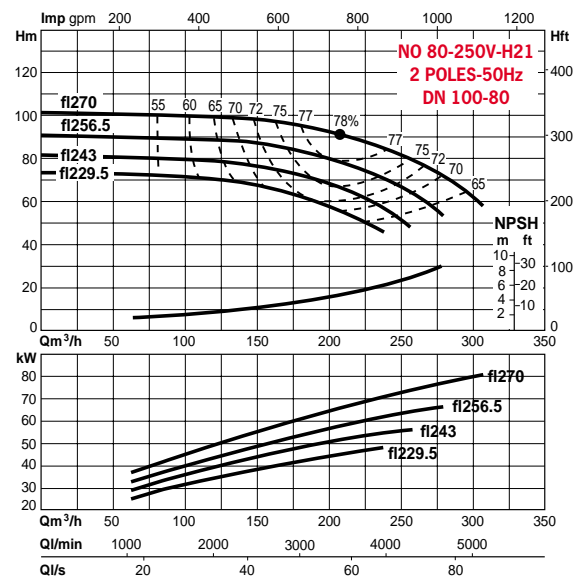
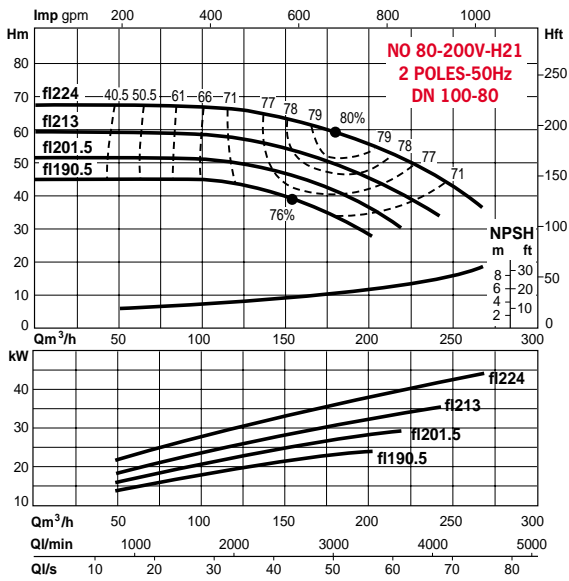
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2900 rpm

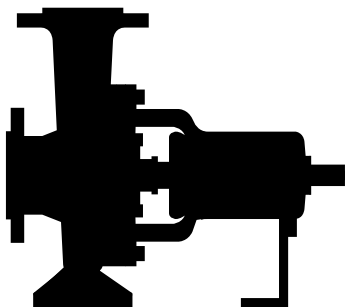


2900 rpm

NO

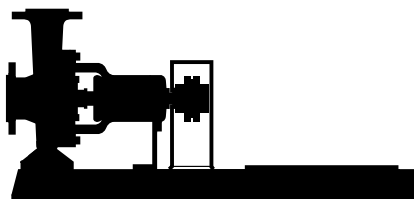


OVERVIEW OF SUPPLIES



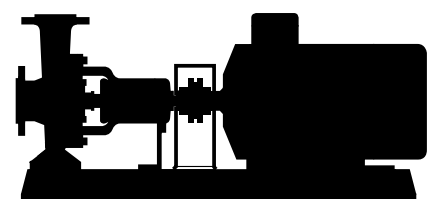
Pump with bare shaft, without counter-flanges, gaskets and bolts.

OR



Pump on base with coupling and guard, no motor or counter-flanges, gaskets and bolts.

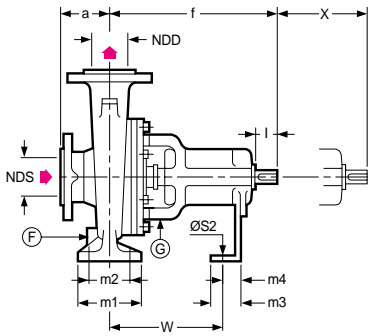
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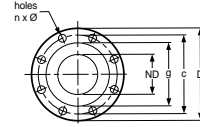
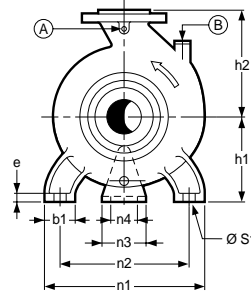
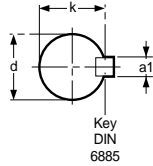
Complete assembly on base with electric motor, coupling without spacer and guard, without counter-flanges, gaskets and bolts.

NO

DIMENSIONS - PUMPS WITH BARE SHAFT - NO



**Shaft end
(DIN 748)**



**FLANGES
Suct.-Disch.**

SECONDARY PORTS

A : Pressure gauge
F : Pump casing drain

B : Pump filling
G : Leak evacuation

OPTION : Coupling with spacer

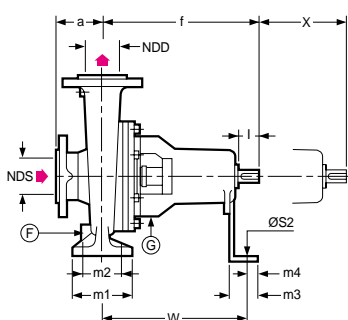
X : Clearance for removal of bearing-spacer-impeller assembly without shifting motor.

ND	PN	D mm	c mm	g mm	holes n x Ø
32	10/16	140	100	76	4 x 19
40	10/16	150	110	84	4 x 19
50	10/16	165	125	99	4 x 19
65	10/16	185	145	118	4 x 19
80	10/16	200	160	132	8 x 19
100	10/16	220	180	156	8 x 19
125	10/16	250	210	184	8 x 19
150	10/16	285	240	211	8 x 23
200	10	340	295	266	8 x 23
* 200	16	340	295	266	12 x 23

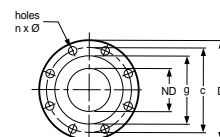
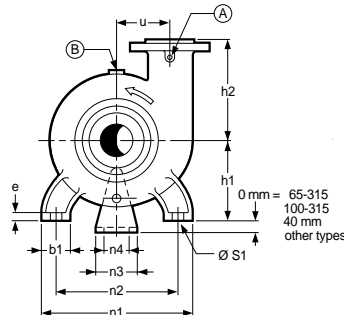
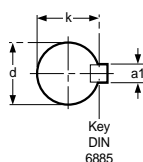
* On request

type of pump	bearing	ports		pump				support and attachment								shaft end				weight approx. kg	secondary ports				X mm					
		suct. NDS	disch. NDD	a mm	f mm	h1 mm	h2 mm	b1 mm	m1 mm	m2 mm	m3 mm	m4 mm	n1 mm	n2 mm	n3 mm	n4 mm	w mm	s1 mm	s2 mm		e mm	d mm	l mm	k mm		a1 mm	A pdg	B pdg	F pdg	G pdg
NO 32-125	- H1	50	32	80	360	112	140	50	100	70	60	43	190	140	160	110	260	15	14	12	24	50	27	8	30	1/4"	1/4"	3/8"	1/4"	80
NO 32-160	- H1	50	32	80	360	132	160	50	100	70	60	43	240	190	160	110	260	15	14	12	24	50	27	8	35	1/4"	1/4"	3/8"	1/4"	80
NO 32-200	- H1	50	32	80	360	160	180	50	100	70	60	43	240	190	160	110	260	15	14	12	24	50	27	8	38	1/4"	1/4"	3/8"	1/4"	80
NO 32-200V	- H1	50	32	80	360	160	180	50	100	70	60	43	240	190	160	110	260	15	14	14	24	50	27	8	43	1/4"	1/4"	3/8"	1/4"	80
NO 40-125	- H1	65	40	80	360	112	140	50	100	70	60	43	210	160	160	110	260	15	14	12	24	50	27	8	33	1/4"	1/4"	3/8"	1/4"	80
NO 40-160	- H1	65	40	80	360	132	160	50	100	70	60	43	240	190	160	110	260	15	14	12	24	50	27	8	36	1/4"	1/4"	3/8"	1/4"	80
NO 40-200V	- H1	65	40	100	360	160	180	50	100	70	60	43	265	212	160	110	260	15	14	14	24	50	27	8	44	1/4"	1/4"	3/8"	1/4"	80
NO 40-250	- H1	65	40	100	360	180	225	65	125	95	60	44	320	250	160	110	260	15	14	14	24	50	27	8	51	1/4"	1/4"	3/8"	1/4"	80
NO 40-250V	- H1	65	40	100	360	180	225	65	125	95	60	44	320	250	160	110	260	15	14	14	24	50	27	8	58	1/4"	1/4"	3/8"	1/4"	80
NO 50-125	- H1	65	50	100	360	132	160	50	100	70	60	43	240	190	160	110	260	15	14	12	24	50	27	8	35	1/4"	1/4"	3/8"	1/4"	80
NO 50-160	- H1	65	50	100	360	160	180	50	100	70	60	43	265	212	160	110	260	15	14	14	24	50	27	8	44	1/4"	1/4"	3/8"	1/4"	80
NO 50-200V	- H1	65	50	100	360	160	200	50	100	70	60	43	265	212	160	110	260	15	14	14	24	50	27	8	48	1/4"	1/4"	3/8"	1/4"	80
NO 50-250V	- H1	65	50	100	360	180	225	65	125	95	60	44	320	250	160	110	260	15	14	14	24	50	27	8	57	1/4"	1/4"	3/8"	1/4"	80
NO 65-125	- H1	80	65	100	360	160	180	65	125	95	60	43	280	212	160	110	260	15	14	14	24	50	27	8	39	1/4"	1/4"	3/8"	1/4"	80
NO 65-160	- H1	80	65	100	360	160	200	65	125	95	60	43	280	212	160	110	260	15	14	14	24	50	27	8	46	1/4"	1/4"	3/8"	1/4"	80
NO 65-200V	- H1	80	65	100	360	180	225	65	125	95	60	44	320	250	160	110	260	15	14	14	24	50	27	8	55	1/4"	1/4"	3/8"	1/4"	100
NO 65-250V	- H21	80	65	100	470	200	250	80	160	120	60	42	360	280	160	110	340	18	14	16	32	80	35	10	85	3/8"	3/8"	1/2"	3/8"	100
NO 65-315	- H21	80	65	100	470	225	280	80	160	120	60	42	400	315	160	110	340	18	14	16	32	80	35	10	105	3/8"	3/8"	1/2"	3/8"	100
NO 80-160	- H1	100	80	125	360	180	225	65	125	95	60	44	320	250	160	110	260	15	14	14	24	50	27	8	49	1/4"	1/4"	3/8"	1/4"	100
NO 80-200	- H21	100	80	125	470	180	250	65	125	95	60	42	345	280	160	110	340	15	14	14	32	80	35	10	78	3/8"	3/8"	1/2"	3/8"	100
NO 80-250	- H21	100	80	125	470	200	280	80	160	120	60	42	400	315	160	110	340	18	14	16	32	80	35	10	91	3/8"	3/8"	1/2"	3/8"	100
NO 80-315	- H21	100	80	125	470	250	315	80	160	120	60	43	400	315	160	110	340	18	14	16	32	80	35	10	113	3/8"	3/8"	1/2"	3/8"	100
NO 100-200V	- H21	125	100	125	470	200	280	80	160	120	60	42	360	280	160	110	340	18	14	16	32	80	35	10	94	3/8"	3/8"	1/2"	3/8"	120
NO 100-250V	- H21	125	100	140	470	225	280	80	160	120	60	43	400	315	160	110	340	18	14	16	32	80	35	10	100	3/8"	3/8"	1/2"	3/8"	120
NO 100-315	- H21	125	100	140	470	250	315	80	160	120	60	43	400	315	160	110	340	18	14	16	32	80	35	10	123	3/8"	3/8"	1/2"	3/8"	120
NO 100-315V	- H21	125	100	140	470	250	315	80	160	120	60	43	400	315	160	110	340	18	14	16	32	80	35	10	125	3/8"	3/8"	1/2"	3/8"	120
NO 100-400	- H31	125	100	140	530	280	355	100	200	150	60	44	500	400	160	110	370	22	14	20	42	110	45	10	185	1/2"	1/2"	1/2"	1/2"	140
NO 100-400V	- H31	125	100	140	530	280	355	100	200	150	60	44	500	400	160	110	370	22	14	20	42	110	45	10	189	1/2"	1/2"	1/2"	1/2"	140
NO 125-250V	- H21	150	125	140	470	250	355	80	160	120	60	43	400	315	160	110	340	18	14	16	32	80	35	10	120	3/8"	3/8"	1/2"	3/8"	120
NO 125-315V	- H31	150	125	140	530	280	355	100	200	150	60	42	500	400	160	110	370	22	14	20	42	110	45	10	200	1/2"	1/2"	1/2"	1/2"	140
NO 125-400V	- H31	150	125	140	530	315	400	100	200	150	60	42	500	400	160	110	370	22	14	20	42	110	45	10	230	1/2"	1/2"	1/2"	1/2"	140
NO 150-315V	- H31	200	150	160	530	280	400	100	200	150	60	42	550	450	160	110	370	22	14	20	42	110	45	10	203	1/2"	1/2"	1/2"	1/2"	140
NO 150-400V	- H31	200	150	160	530	315	450	100	200	150	60	42	550	450	160	110	370	22	14	20	42	110	45	10	240	1/2"	1/2"	1/2"	1/2"	140

DIMENSIONS - PUMPS WITH BARE SHAFT - NOE - NOH



**Shaft end
(DIN 748)**



**FLANGES
Suct.-Disch.**

ND	PN	D mm	c mm	g mm	holes n x Ø
65	16	185	145	118	4 x 19
100	16	220	180	156	8 x 19
125	16	250	210	184	8 x 19
150	10/16	285	240	211	8 x 22
200	10	340	295	266	8 x 22
250	10	395	350	320	12 x 22
300	10	445	400	370	12 x 22
350	10	505	460	430	16 x 22
400	10	565	515	482	16 x 22
450	10	615	565	532	20 x 26
500	10	670	620	585	20 x 26

SECONDARY PORTS

A : Pressure gauge
B : Pump filling
F : Pump casing drain
G : Leak evacuation

OPTION : Coupling with spacer

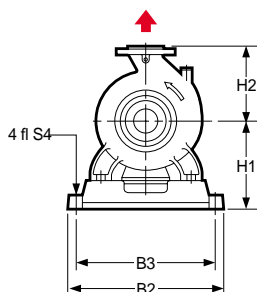
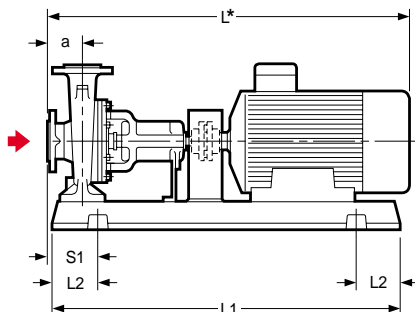
X : Clearance for removal of bearing-spacer-impeller assembly without shifting motor.

type of pump	bearing	ports		pump							support and attachment											shaft end	weight approx. kg	secondary ports				X mm			
		suct. NDS	disch. NDD	a mm	f mm	h1 mm	h2 mm	u mm	b1 mm	m1 mm	m2 mm	m3 mm	m4 mm	n1 mm	n2 mm	n3 mm	n4 mm	w mm	s1 mm	s2 mm	e mm			d mm	l mm	k mm	a1 mm		A pdg	B pdg	F pdg
NOH 65-315 - H32		80	65	125	530	225	280	0	80	160	120	60	42	400	315	160	110	370	16	12	16	42	110	45	12	134	3/8"	3/8"	1/2"	3/8"	140
NOH 100-315 - H32		125	100	140	530	250	315	0	80	160	120	60	42	400	315	160	110	370	16	12	16	42	110	45	12	152	3/8"	3/8"	1/2"	3/8"	140
NOE 150-200 - H22		150	150	150	500	250	220	180	80	160	120	60	43	400	315	160	110	367	16	12	15	32	80	35	10	120	1/2"	1/2"	1/2"	1/2"	140
NOE 200-250 - D3		250	200	180	530	315	400	0	100	200	140	50	32	550	450	140	110	370	24	14	18	42	110	45	12	215	1/4"	1/2"	1/2"	1/2"	160
NOE 200-315 - H4		250	200	225	550	355	355	246	120	250	200	110	55	600	500	140	80	470	22	10	22	42	110	45	12	260	1/2"	1/2"	1/2"	1/2"	175
NOE 200-355 - H4		250	200	230	550	355	400	235	120	250	200	110	55	600	500	140	80	470	22	10	22	42	110	45	12	265	1/2"	1/2"	1/2"	1/2"	180
NOE 200-400 - H51		250	200	225	730	375	500	255	120	250	200	120	60	600	500	160	100	640	22	10	22	55	110	59	16	360	1/2"	1/2"	1/2"	1/2"	200
NOE 200-500 - H52		250	200	205	730	400	560	270	120	300	250	120	60	710	600	160	100	640	24	12	25	55	110	59	16	400	1/2"	1/2"	1/2"	1/2"	190
NOE 250-250 - H4		250	250	200	580	355	355	240	120	250	200	110	55	630	505	140	80	500	22	10	23	42	110	45	12	260	1/2"	1/2"	1/2"	1/2"	200
NOE 250-315 - H4		300	250	250	550	425	400	295	120	300	250	110	55	710	600	140	80	470	24	12	25	42	110	45	12	330	1/2"	1/2"	1/2"	1/2"	180
NOE 250-355 - H51		300	250	250	730	400	400	275	120	300	250	120	60	710	600	160	100	640	24	12	25	55	110	59	16	370	1/2"	1/2"	1/2"	1/2"	190
NOE 250-400 - H51		300	250	250	730	400	500	265	120	300	250	120	60	710	600	160	100	640	24	12	25	55	110	59	16	415	1/2"	1/2"	1/2"	1/2"	210
NOE 250-500 - H52		300	250	250	730	425	560	285	120	300	250	120	60	710	600	160	100	640	24	12	25	55	110	59	16	500	1/2"	1/2"	1/2"	1/2"	200
NOE 300-300 - H4		300	300	225	595	450	355	330	140	335	280	140	70	710	600	160	100	530	24	12	25	42	110	45	12	370	1/2"	1/2"	1/2"	1/2"	220
NOE 300-400 - H51		350	300	300	730	475	400	330	140	315	250	140	70	800	670	160	100	660	27	12	28	55	110	59	16	480	1/2"	1/2"	1/2"	1/2"	210
NOE 300-450 - H52		350	300	300	730	475	560	310	140	315	250	140	70	800	670	160	100	660	27	12	28	55	110	59	16	550	1/2"	1/2"	1/2"	1/2"	230
NOE 300-500 - H61		350	300	300	864	500	600	330	140	335	280	160	80	800	670	200	120	730	27	12	28	70	140	74.5	20	710	1/2"	1/2"	1/2"	1/2"	240
NOE 350-350 - H52		350	350	250	775	500	500	390	140	400	315	160	80	800	670	200	120	715	27	12	30	55	110	59	16	600	1/2"	1/2"	1/2"	1/2"	240
NOE 400-500 - H61		450	400	400	920	630	600	420	200	400	315	160	80	1120	950	200	120	786	27	12	35	70	140	74.5	20	980	1/2"	1/2"	1/2"	1/2"	300
NOE 400-650 - H61		450	400	350	894	630	760	410	200	400	315	160	80	1120	950	200	120	760	27	12	35	70	140	74.5	20	1250	1/2"	1/2"	1/2"	1/2"	300
NOE 500-500 - H62		500	500	400	939	650	500	490	200	550	450	160	80	1120	950	200	120	805	27	12	35	70	140	74.5	20	1450	1/2"	1/2"	1/2"	1/2"	300



NO

DIMENSIONS OF 1450 RPM ASSEMBLIES



* L : based on motor, not binding.

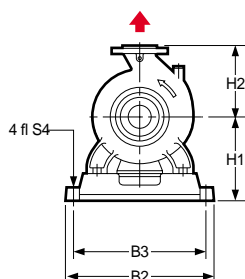
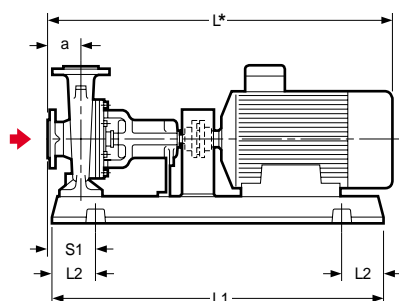
VOLUME OF THE ASSEMBLIES TO BE CONFIRMED

- × Cast-iron base and standardized motors.
- × Coupling without spacer and guard, in compliance with European standards.

TYPE OF PUMP	MOTOR		ASSEMBLY					BASE				WEIGHT kg	
	Type	P2 kW	L' mm	H1 mm	H2 mm	S1 mm	a mm	L1 mm	L2 mm	B2 mm	B3 mm		S4 mm
NO 32-125	F 71K	0.25	840	195	140	150	80	840	150	360	320	19	81
NO 32-125	F 71G	0.37	840	195	140	150	80	840	150	360	320	19	82
NO 32-160	F 71K	0.25	840	215	160	150	80	840	150	360	320	19	88
NO 32-160	F 71G	0.37	840	215	160	150	80	840	150	360	320	19	89
NO 32-160	F 80K	0.55	840	215	160	150	80	840	150	360	320	19	91
NO 32-160	F 80G	0.75	840	215	160	150	80	840	150	360	320	19	92
NO 32-200	F 71G	0.37	840	243	180	150	80	840	150	360	320	19	100
NO 32-200	F 80K	0.55	840	243	180	150	80	840	150	360	320	19	104
NO 32-200	F 80G	0.75	840	243	180	150	80	840	150	360	320	19	105
NO 32-200	F 90S	1.10	840	243	180	150	80	840	150	360	320	19	108
NO 40-125	F 71K	0.25	840	195	140	150	80	840	150	360	320	19	84
NO 40-125	F 71G	0.37	840	195	140	150	80	840	150	360	320	19	85
NO 40-160	F 71G	0.37	840	215	160	150	80	840	150	360	320	19	90
NO 40-160	F 80K	0.55	840	215	160	150	80	840	150	360	320	19	92
NO 40-160	F 80G	0.75	840	215	160	150	80	840	150	360	320	19	93
NO 40-200	F 80G	0.75	960	243	180	190	100	940	170	390	350	19	116
NO 40-200	F 90S	1.10	960	243	180	190	100	940	170	390	350	19	119
NO 40-200	F 90L	1.50	960	243	180	190	100	940	170	390	350	19	121
NO 40-250	F 90S	1.10	1045	283	225	195	100	1040	190	450	400	24	146
NO 40-250	F 90L	1.50	1045	283	225	195	100	1040	190	450	400	24	148
NO 40-250	F 100L	2.20	1045	283	225	195	100	1040	190	450	400	24	160
NO 40-250	F 100LX	3.00	1045	283	225	195	100	1040	190	450	400	24	166
NO 50-125	F 80K	0.55	840	215	160	170	100	840	150	360	320	19	91
NO 50-125	F 80G	0.75	840	215	160	170	100	840	150	360	320	19	92
NO 50-160	F 80K	0.55	960	243	180	190	100	940	170	390	350	19	115
NO 50-160	F 80G	0.75	960	243	180	190	100	940	170	390	350	19	116
NO 50-160	F 90S	1.10	960	243	180	190	100	940	170	390	350	19	119
NO 50-200	F 90L	1.50	960	243	180	190	100	940	170	390	350	19	125
NO 50-200	F 100L	2.20	960	243	180	190	100	940	170	390	350	19	133
NO 50-200	F 100LX	3.00	960	243	180	190	100	940	170	390	350	19	139
NO 50-200	F 112M	4.00	960	243	180	190	100	940	170	390	350	19	143
NO 50-250	F 100L	2.20	1045	283	225	195	100	1040	190	450	400	24	147
NO 50-250	F 100LX	3.00	1045	283	225	195	100	1040	190	450	400	24	153
NO 50-250	F 112M	4.00	1045	283	225	195	100	1040	190	450	400	24	155
NO 50-250	F 132SX	5.50	1045	283	225	195	100	1040	190	450	400	24	165
NO 65-125	F 80K	0.55	960	243	180	178	100	940	170	390	350	19	110
NO 65-125	F 80G	0.75	960	243	180	178	100	940	170	390	350	19	111
NO 65-125	F 90S	1.10	960	243	180	178	100	940	170	390	350	19	114
NO 65-125	F 90L	1.50	960	243	180	178	100	940	170	390	350	19	116
NO 65-160	F 90S	1.10	945	243	200	178	100	940	170	390	350	19	121
NO 65-160	F 90L	1.50	945	243	200	178	100	940	170	390	350	19	123
NO 65-160	F 100L	2.20	945	243	200	178	100	940	170	390	350	19	131
NO 65-200	F 100L	2.20	1045	283	225	195	100	1040	190	450	400	24	157
NO 65-200	F 100LX	3.00	1045	283	225	195	100	1040	190	450	400	24	163
NO 65-200	F 112M	4.00	1045	283	225	195	100	1040	190	450	400	24	165
NO 65-200	F 132S	5.50	1045	283	225	195	100	1040	190	450	400	24	175
NO 65-250	F 100LX	3.00	1160	303	250	200	100	1160	210	490	440	24	228
NO 65-250	F 112M	4.00	1160	303	250	200	100	1160	210	490	440	24	233
NO 65-250	F 132S	5.50	1160	303	250	200	100	1160	210	490	440	24	241
NO 65-250	F 132M	7.50	1160	303	250	200	100	1160	210	490	440	24	260
NO 65-315	F 132S	5.50	1315	328	280	240	125	1310	235	540	490	24	296
NO 65-315	F 132M	7.50	1315	328	280	240	125	1310	235	540	490	24	315
NO 65-315	F 160M	11.00	1315	328	280	240	125	1310	235	540	490	24	332
NO 80-160	F 90S	1.10	1070	283	225	220	125	1040	190	450	400	24	137
NO 80-160	F 90L	1.50	1070	283	225	220	125	1040	190	450	400	24	139

TYPE OF PUMP	MOTOR		ASSEMBLY					BASE				WEIGHT kg	
	Type	P2 kW	L' mm	H1 mm	H2 mm	S1 mm	a mm	L1 mm	L2 mm	B2 mm	B3 mm		S4 mm
NO 80-160	F 100L	2.20	1070	283	225	220	125	1040	190	450	400	24	151
NO 80-160	F 100LX	3.00	1070	283	225	220	125	1040	190	450	400	24	157
NO 80-200	F 100LX	3.00	1190	283	250	240	125	1160	210	490	440	24	214
NO 80-200	F 112M	4.00	1190	283	250	240	125	1160	210	490	440	24	221
NO 80-200	F 132S	5.50	1190	283	250	240	125	1160	210	490	440	24	231
NO 80-200	F 132M	7.50	1190	283	250	240	125	1160	210	490	440	24	250
NO 80-250	F 132S	5.50	1315	303	280	240	125	1310	235	540	490	24	277
NO 80-250	F 132M	7.50	1315	303	280	240	125	1310	235	540	490	24	296
NO 80-250	F 160M	11.00	1315	303	280	240	125	1310	235	540	490	24	313
NO 80-315	F 132M	7.50	1315	353	315	240	125	1310	235	540	490	24	325
NO 80-315	F 160M	11.00	1315	353	315	240	125	1310	235	540	490	24	347
NO 80-315	F 160L	15.00	1315	353	315	240	125	1310	235	540	490	24	384
NO 100-200	F 112M	4.00	1175	303	280	225	125	1160	210	490	440	24	242
NO 100-200	F 132S	5.50	1175	303	280	225	125	1160	210	490	440	24	250
NO 100-200	F 132M	7.50	1175	303	280	225	125	1160	210	490	440	24	269
NO 100-200	F 160M	11.00	1175	303	280	225	125	1160	210	490	440	24	286
NO 100-250	F 132M	7.50	1315	328	280	255	140	1310	235	540	490	24	310
NO 100-250	F 160M	11.00	1315	328	280	255	140	1310	235	540	490	24	327
NO 100-250	F 160L	15.00	1315	328	280	255	140	1310	235	540	490	24	364
NO 100-315	F 160M	11.00	1330	353	315	255	140	1310	235	540	490	24	359
NO 100-315	F 160L	15.00	1330	353	315	255	140	1310	235	540	490	24	396
NO 100-315	F 180M	18.50	1330	353	315	255	140	1310	235	540	490	24	405
NO 100-315	F 180L	22.00	1330	353	315	255	140	1310	235	540	490	24	439
NO 100-315	F 200L	30.00	1330	353	315	255	140	1310	235	540	490	24	472
NO 100-400	F 180M	18.50	1660	403	355	300	140	1660	300	660	600	29	560
NO 100-400	F 180L	22.00	1660	403	355	300	140	1660	300	660	600	29	594
NO 100-400	F 200L	30.00	1660	403	355	300	140	1660	300	660	600	29	625
NO 100-400	F 225S	37.00	1660	403	355	300	140	1660	300	660	600	29	688
NO 100-400	F 225M	45.00	1660	403	355	300	140	1660	300	660	600	29	718
NO 100-400	F 250M	55.00	1660	403	355	300	140	1660	300	660	600	29	793
NO 125-250	F 160M	11.00	1330	353	355	255	140	1310	235	540	490	24	354
NO 125-250	F 160L	15.00	1330	353	355	255	140	1310	235	540	490	24	391
NO 125-250	F 180M	18.50	1330	353	355	255	140	1310	235	540	490	24	400
NO 125-250	F 180L	22.00	1330	353	355	255	140	1310	235	540	490	24	434
NO 125-315	F 180L	22.00	1660	403	355	300	140	1660	300	660	600	29	605
NO 125-315	F 200L	30.00	1660	403	355	300	140	1660	300	660	600	29	636
NO 125-315	F 225S	37.00	1660	403	355	300	140	1660	300	660	600	29	699
NO 125-3													

DIMENSIONS OF 2900 RPM ASSEMBLIES



* L : based on motor, not binding.

VOLUME OF THE ASSEMBLIES TO BE CONFIRMED

- × Cast-iron base and standardized motors.
- × Coupling without spacer and guard, in compliance with European standards.

TYPE OF PUMP	MOTOR		ASSEMBLY								WEIGHT kg		
	Type	P2 kW	L' mm	H1 mm	H2 mm	S1 mm	a mm	L1 mm	L2 mm	BASE B2 mm		B3 mm	S4 mm
NO 32-125	F 71G	0.55	840	195	140	150	80	840	150	360	320	19	82
NO 32-125	F 80K	0.75	840	195	140	150	80	840	150	360	320	19	85
NO 32-125	F 80G	1.10	840	195	140	150	80	840	150	360	320	19	86
NO 32-125	F 90S	1.50	840	195	140	150	80	840	150	360	320	19	90
NO 32-125	F 90S	1.50	840	215	160	150	80	840	150	360	320	19	96
NO 32-160	F 90L	2.20	840	215	160	150	80	840	150	360	320	19	99
NO 32-160	F 100L	3.00	840	215	160	150	80	840	150	360	320	19	105
NO 32-200	F 112M	4.00	840	243	180	150	80	840	150	360	320	19	123
NO 32-200	F 132S	5.50	893	243	180	150	80	840	150	360	320	19	141
NO 32-200	F 132SX	7.50	893	243	180	150	80	840	150	360	320	19	146
NO 32-200	F 132M	9.00	893	243	180	150	80	840	150	360	320	19	152
NO 32-200	F 160M	11.00	1048	263	180	190	80	1040	190	450	400	24	188
NO 40-125	F 80K	0.75	840	195	140	150	80	840	150	360	320	19	88
NO 40-125	F 80G	1.10	840	195	140	150	80	840	150	360	320	19	89
NO 40-125	F 90S	1.50	840	195	140	150	80	840	150	360	320	19	93
NO 40-125	F 90L	2.20	840	195	140	150	80	840	150	360	320	19	96
NO 40-125	F 100L	3.00	840	195	140	150	80	840	150	360	320	19	101
NO 40-160	F 90L	2.20	840	215	160	150	80	840	150	360	320	19	100
NO 40-160	F 100L	3.00	840	215	160	150	80	840	150	360	320	19	106
NO 40-160	F 112M	4.00	840	215	160	150	80	840	150	360	320	19	113
NO 40-160	F 132S	5.50	893	215	160	150	80	840	150	360	320	19	130
NO 40-160	F 132SX	7.50	893	215	160	150	80	840	150	360	320	19	135
NO 40-200	F 132S	5.50	960	243	180	190	100	940	170	390	350	19	152
NO 40-200	F 132SX	7.50	960	243	180	190	100	940	170	390	350	19	157
NO 40-200	F 160M	11.00	1068	263	180	210	100	1040	190	450	400	24	189
NO 40-250	F 132SX	7.50	1045	283	225	195	100	1040	190	450	400	24	185
NO 40-250	F 160M	11.00	1068	283	225	195	100	1040	190	450	400	24	208
NO 40-250	F 160MX	15.00	1068	283	225	195	100	1040	190	450	400	24	245
NO 40-250	F 160L	18.50	1068	283	225	195	100	1040	190	450	400	24	261
NO 40-250	F 180M	22.00	1095	283	225	195	100	1040	190	450	400	24	290
NO 50-125	F 90L	2.20	840	215	160	170	100	840	150	360	320	19	99
NO 50-125	F 100L	3.00	840	215	160	170	100	840	150	360	320	19	105
NO 50-125	F 112M	4.00	840	215	160	170	100	840	150	360	320	19	112
NO 50-125	F 132S	5.50	913	215	160	170	100	840	150	360	320	19	129
NO 50-160	F 100L	3.00	960	243	180	190	100	940	170	390	350	19	130
NO 50-160	F 112M	4.00	960	243	180	190	100	940	170	390	350	19	134
NO 50-160	F 132S	5.50	960	243	180	190	100	940	170	390	350	19	152
NO 50-160	F 132SX	7.50	960	243	180	190	100	940	170	390	350	19	157
NO 50-200	F 160M	11.00	1068	263	200	210	100	1040	190	450	400	24	193
NO 50-200	F 160MX	15.00	1068	263	200	210	100	1040	190	450	400	24	230
NO 50-200	F 160L	18.50	1068	263	200	210	100	1040	190	450	400	24	246
NO 50-200	F 180M	22.00	1095	283	200	210	100	1040	190	450	400	24	283
NO 50-200	F 200L	30.00	1175	303	200	255	100	1310	235	540	490	24	378

TYPE OF PUMP	MOTOR		ASSEMBLY								WEIGHT kg		
	Type	P2 kW	L' mm	H1 mm	H2 mm	S1 mm	a mm	L1 mm	L2 mm	BASE B2 mm		B3 mm	S4 mm
NO 50-250	F 132SX	7.50	1045	283	225	195	100	1040	190	450	400	24	184
NO 50-250	F 160M	11.00	1068	283	225	195	100	1040	190	450	400	24	207
NO 50-250	F 160MX	15.00	1068	283	225	195	100	1040	190	450	400	24	244
NO 50-250	F 160L	18.50	1068	283	225	195	100	1040	190	450	400	24	260
NO 50-250	F 180M	22.00	1095	283	225	195	100	1040	190	450	400	24	289
NO 50-250	F 200L	30.00	1200	303	225	230	100	1310	235	540	490	24	386
NO 50-250	F 200L	37.00	1200	303	225	230	100	1310	235	540	490	24	446
NO 65-125	F 112M	4.00	960	243	180	178	100	940	170	390	350	24	129
NO 65-125	F 132S	5.50	960	243	180	178	100	940	170	390	350	24	147
NO 65-125	F 132SX	7.50	960	243	180	178	100	940	170	390	350	24	152
NO 65-160	F 132SX	7.50	945	243	200	178	100	940	170	390	350	24	159
NO 65-160	F 132M	9.00	945	243	200	178	100	940	170	390	350	24	165
NO 65-160	F 160M	11.00	1068	263	200	195	100	1040	190	450	400	24	191
NO 65-160	F 160MX	15.00	1068	263	200	195	100	1040	190	450	400	24	228
NO 65-200	F 160MX	15.00	1068	283	225	195	100	1040	190	450	400	24	242
NO 65-200	F 160L	18.50	1068	283	225	195	100	1040	190	450	400	24	258
NO 65-200	F 180M	22.00	1095	283	225	195	100	1040	190	450	400	24	287
NO 65-200	F 200L	30.00	1200	283	225	225	100	1310	235	540	490	24	384
NO 65-200	F 200L	37.00	1200	283	225	225	100	1310	235	540	490	24	444
NO 65-250	F 200L	30.00	1310	303	250	215	100	1310	235	540	490	24	410
NO 65-250	F 200L	37.00	1310	303	250	215	100	1310	235	540	490	24	470
NO 65-250	F 250M	45.00	1310	328	250	215	100	1310	235	540	490	24	512
NO 65-250	F 250M	55.00	1460	353	250	240	100	1460	260	610	550	29	636
NO 80-160	F 160M	11.00	1093	283	225	220	125	1040	190	450	400	24	199
NO 80-160	F 160MX	15.00	1093	283	225	220	125	1040	190	450	400	24	236
NO 80-160	F 160L	18.50	1093	283	225	220	125	1040	190	450	400	24	252
NO 80-200	F 180M	22.00	1230	283	250	240	125	1160	210	490	440	24	343
NO 80-200	F 200L	30.00	1342	303	250	255	125	1310	235	540	490	24	407
NO 80-200	F 200L	37.00	1342	303	250	255	125	1310	235	540	490	24	467
NO 80-200	F 225M	45.00	1342	303	250	255	125	1310	235	540	490	24	505
NO 80-250	F 200L	37.00	1315	303	280	240	125	1310	235	540	490	24	476
NO 80-250	F 225M	45.00	1342	328	280	240	125	1310	235	540	490	24	518
NO 80-250	F 250M	55.00	1490	353	280	250	125	1460	260	610	550	29	642
NO 80-250	F 280S	75.00	1590	403	280	305	125	1660	300	660	600	29	818
NO 80-250	F 280M	90.00	1590	403	280	305	125	1660	300	660	600	29	838
NO 100-200	F 200L	30.00	1315	303	280	240	125	1310	235	540	490	24	419
NO 100-200	F 200L	37.00	1315	303	280	240	125	1310	235	540	490	24	479
NO 100-200	F 225M	45.00	1315	328	280	240	125	1310	235	540	490	24	521
NO 100-200	F 250M	55.00	1491	353	280	265	125	1460	260	610	550	29	645
NO 100-200	F 280S	75.00	1510	403	280	305	125	1660	300	660	600	29	821
NO 100-250	F 225M	45.00	1315	328	280	255	140	1310	235	540	490	24	520
NO 100-250	F 250M	55.00	1491	353	280	265	140	1460	260	610	550	29	651
NO 100-250	F 280S	75.00	1774	403	280	350	140	1460	260	610	550	29	782
NO 100-250	F 280M	90.00	1774	403	280	350	140	1460	260	610	550	29	802
NO 100-250	F 315S	110.00	1825	403	280	345	140	1860	330	730	670	29	1150

NO

TABLE SHOWING INTERCHANGEABILITY OF MAIN PARTS

"NO" TYPE OF PUMP	CASING	CASING GASKET	IMPELLER	SPACER (a)	SEAL (a)	BEARING UNIT	SHAFT	BEARINGS
32-125	1	1	1	1	1	1 (H1)	1	1
32-160	2	2	2	2				
32-200	3	3	3	3				
32-200 V	4		4					
40-125	5	1	5	1				
40-160	6	2	6	2				
40-200 V	7	3	7	3				
40-250	8	4	8	4				
40-250 V	9		9					
50-125	10	1	10	5				
50-160	11	5	11	6				
50-200 V	12	6	12	7				
50-250 V	13	4	13	4				
65-125	14	1	14	5				
65-160	15	5	15	8				
65-200 V	16	6	16	7				
65-250 V	17	7	17	9	2	2	3	2
65-315	18	8	18	10				
80-160	19	5	19	8	1	1	2	1
80-200 V	20	9	20	11	2	2 (H21)	3	2
80-250 V	21	7	21	9				
80-315	22	8	22	10				
100-200 V	23	9	23	11				
100-250 V	24	10	24	12				
100-315	25	8	25	13				
100-315 V	26		26					
100-400	27	11	27	14	3	3	5	3
100-400 V	28	12	28	15				
125-250 V	29	10	29	12	2	2	3	2
125-315 V	30	13	30	16	3	3 (H3)	5	3
125-400 V	31	14	31	17				
150-315 V	32	13	32	16				
150-400 V	33	14	33	17				
TOTAL PIECES	33	14	33	17	3	3	5	3

FEATURES

a) Electrical

- Complete assembly with electric motor:
- 3-phase 230-400 V - 50 Hz, ≤ 4 kW.
- 3-phase 400 V Δ -50 Hz, > 4 kW.
- Motor must be protected by circuit-breaker.

b) Installation

- On level foundation.
- Attached to base.
- Connection to installation by welded round counter-flanges.

c) Packaging

- Supplied without counter-flanges, gaskets and bolts (optional) and, depending on order:
- bare shaft or
- pump without motor or
- complete assembly.

d) Maintenance

- For repair, see recommended spare parts (•) subject to wear.

RECOMMENDED ACCESSORIES

- Motor protection circuit breaker;
- Coupling with spacer;
- Pressure gauge kit;
- Counter-flanges, gaskets and bolts;
- Isolating valves;
- Check valve;
- Anti-vibration sleeves...

NOTE

The table opposite applies only to pumps with H1, H21, and H31 bearings complying with standard NFE 44111 (DIN 24255).

(a): for mechanical seal.

Corresponding parts interchangeable if same number under same type of part.