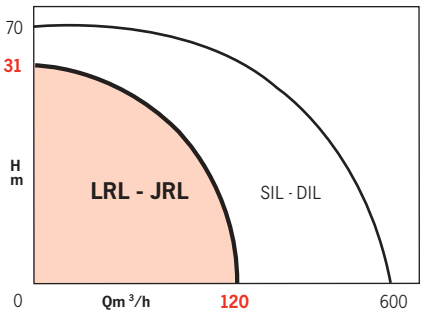
OPERATING LIMITS

Flow rates up to:	**120 m³/h**
Head up to:	**31 m**
Max. operating pressure:	**10 bar**
Temperature range:	**– 10° to + 110°C**
Flanges ND	**32 to 80**

LRL-JRL

SINGLE AND TWIN-HEAD IN-LINE PUMPS

Heating, Air conditioning, Secondary hot water 50 Hz



APPLICATIONS

- Central heating systems: light commercial and commercial.
- Air-conditioning.
- Secondary hot water loop.

Many industrial or agricultural applications.
- Greenhouse heating.
- Pumping of water/glycol mixtures.
- Circulation of chilled water.

• **LRL** : horizontal motor

• **JRL :** horizontal motor

• **MGP** control and protection box for JRL

• **LRL - JRL** : vertical motors

N.T. Nº 124-1/ENG. - Ed.5/05-05

LRL-JRL

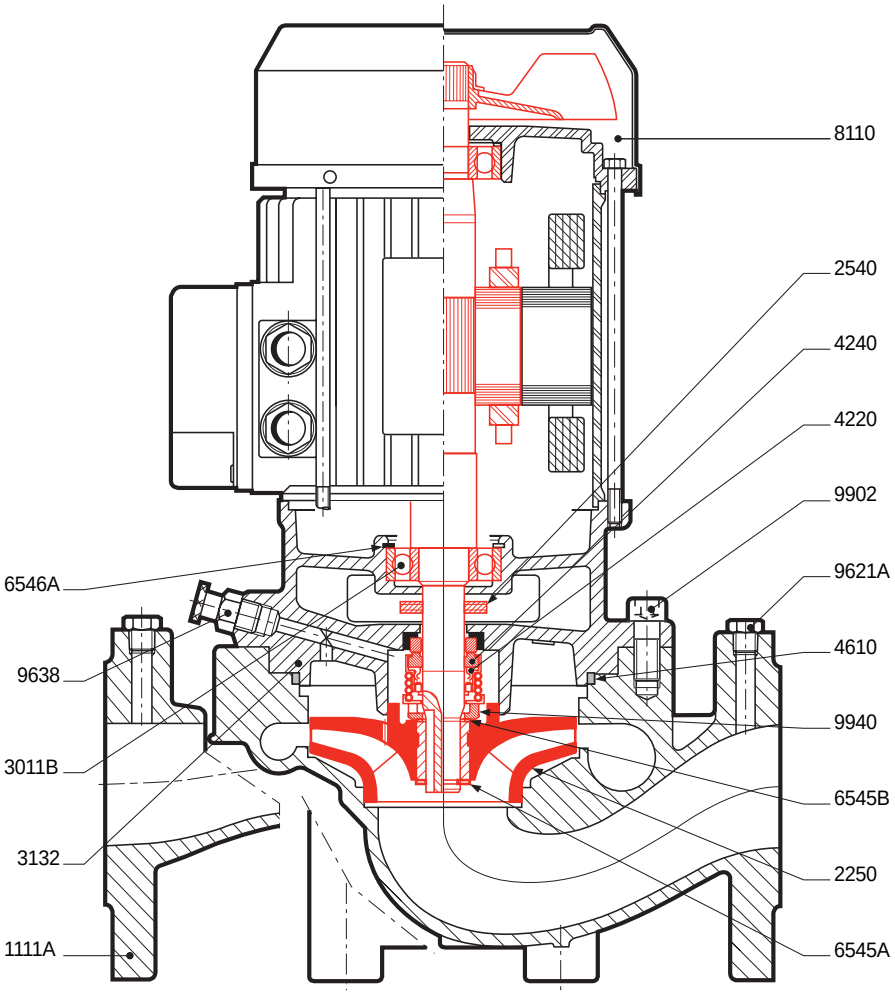
ADVANTAGES

- **Thermal overload protection on all motors.**
- **Direct mounting on horizontal or vertical pipe.**
- **No coupling: no need for shaft alignment.**
- **Permanent de-aerating device on mechanical seal.**
- **Quick and easy installation.**
- **Practically no maintenance required.**

➤ **JRL**

- **Standby pump available at all times.**
- **Possibility of operating the two pumps in parallel to increase flowrate.**
- **Pump changeover may be manual or automatic, by MGP control box.**

LRL - SECTIONAL DRAWING



DESIGN

• Hydraulic part
Centrifugal, single-stage.
"**IN-LINE**" suction-discharge ports.
Flanged pump casing with pressure gauge ports.
Lantern-bearing joining pump and motor.
Dynamically balanced impeller fitted directly on motor shaft.
Mechanical seal.

➤ **JRL**
Two pumps in one body.
Hydraulic separation by silent flap.

• Motor
With extended shaft end.
Shaft-impeller guide bearings selected for silent operation.

Rotation speed:	1450 and 2900 rpm
Winding 3-phase ≤ 3 kW:	230 V Δ
	400 V Y
3-phase = 4 kW:	400 V Δ
Frequency:	50 Hz (optional 60 Hz)
Insulation category:	F
Protection index:	IP 55
EC conformity:	EN 809

STANDARD CONSTRUCTION

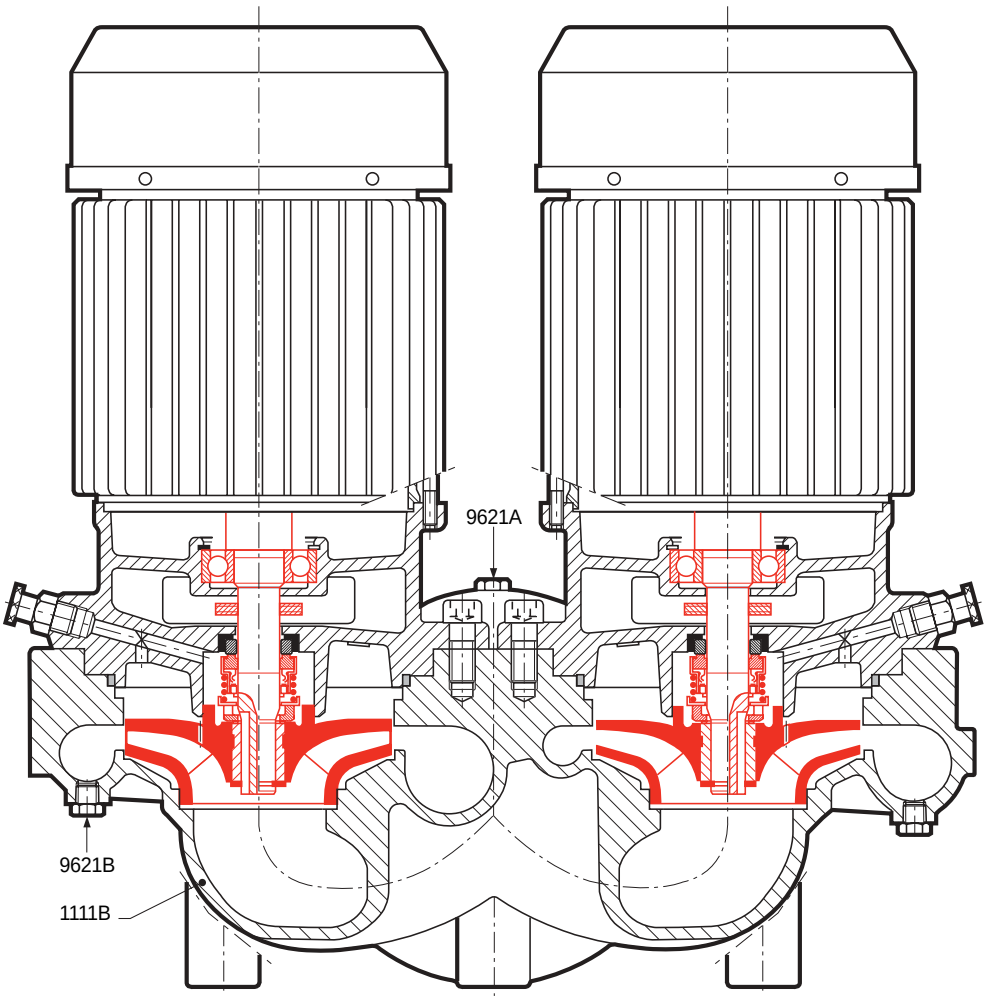
Main parts	Material
Pump casing	Cast iron FGL 250
Lantern bearing	Cast iron FGL 250
Shaft	Stainless steel Z20-C13
Mechanical seal	Graphite/Silicon carbide/EP
Casing gasket	Ethylene-Propylene
Impeller	Propylene

IDENTIFICATION

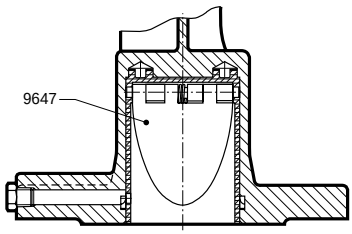
LRL 2 03 - 13/1.1
JRL 4

Single or twin pump code
2 = 2 pole: 2900 rpm
4 = 4 pole: 1450 rpm
Nominal port Ø in cm
Nominal impeller Ø in cm
Motor power in kW

JRL - SECTIONAL DRAWING



NON-RETURN FLAP (**JRL**)
at discharge



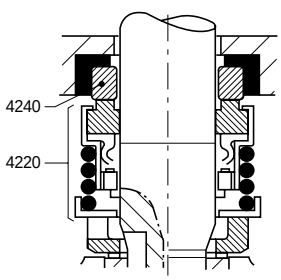
PARTS LIST (COMMON TO LRL AND JRL)

- 1111A - Single pump casing
- 1111B - Twin pump casing
- 2250 - Impeller
- 2540 - Deflector
- 3011B - Guide ball bearing unit
  3132H - Lantern bearing
- 4220H - Rotary ring of mechanical seal
- 4240H - Stationary ring of mechanical seal
- 4610H - Pump casing O-ring
- 6545A - Shaft keeper ring
- 6545B - Shaft keeper ring
- 6546A - Bearing circlips
- 8110H - Electric motor
- 9621A - Pressure gauge plugs
- 9621B - Drain plugs (JRL)
- 9638 - Mechanical seal de-aerating device
- 9647H - Discharge non-return flap (JRL)
- 9902H - Lantern bearing attachment screw
- 9940H - Mechanical seal thrust ring

(•) Recommended spare parts

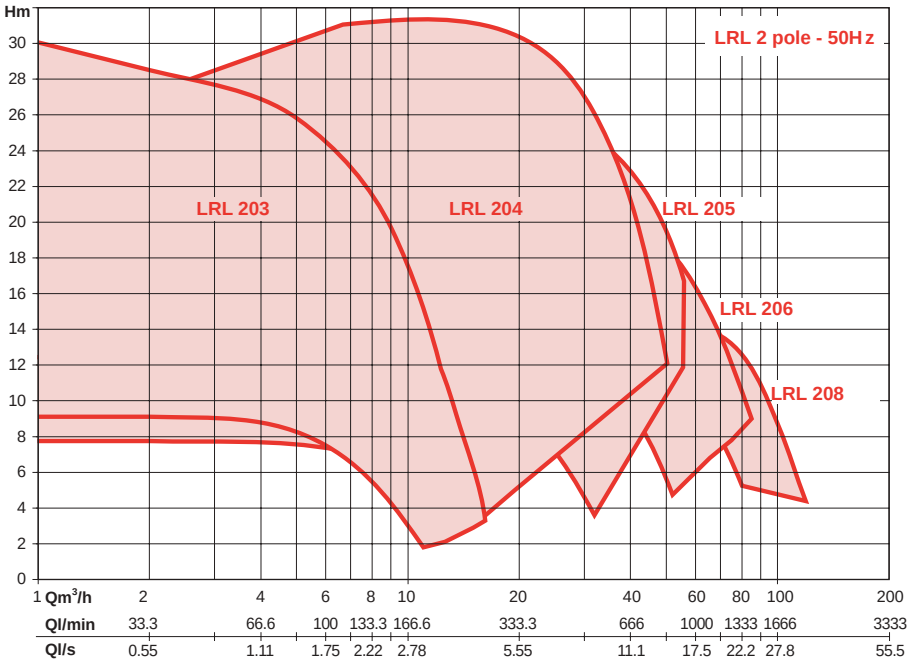
MECHANICAL SEAL

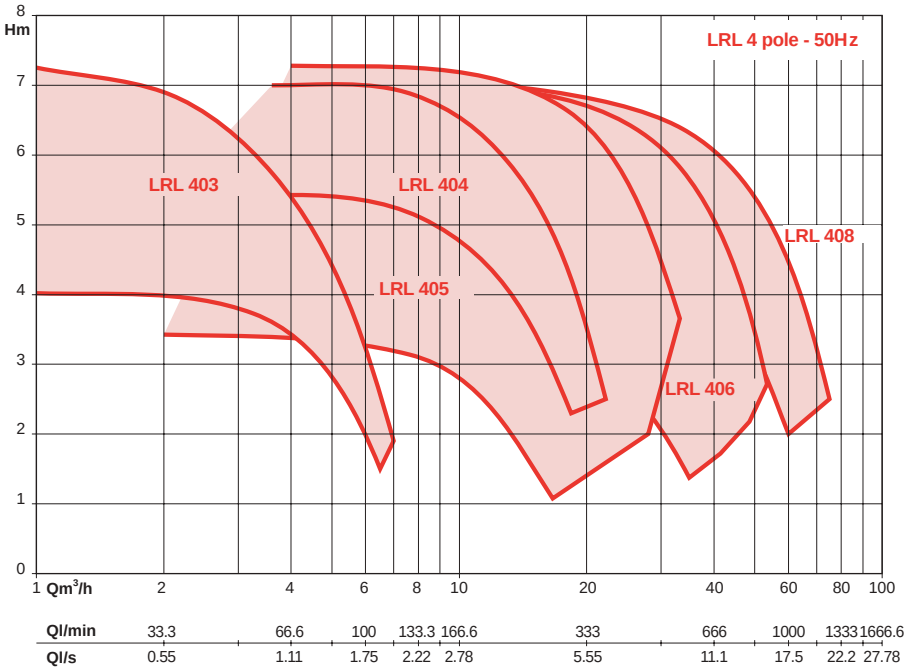
(LRL-JRL)



LRL-JRL

LRL - PRE-SELECTION GRAPHS



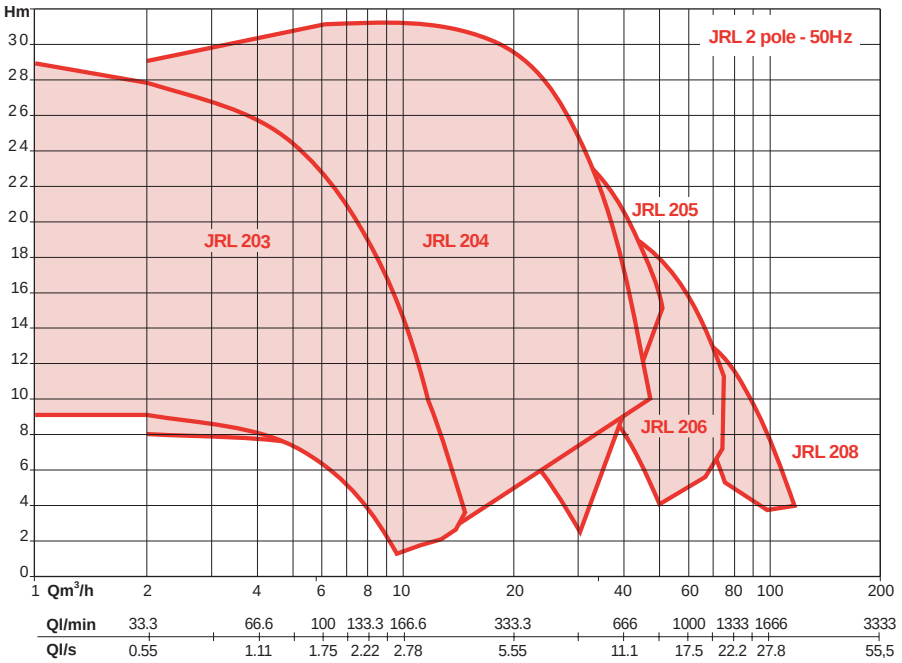


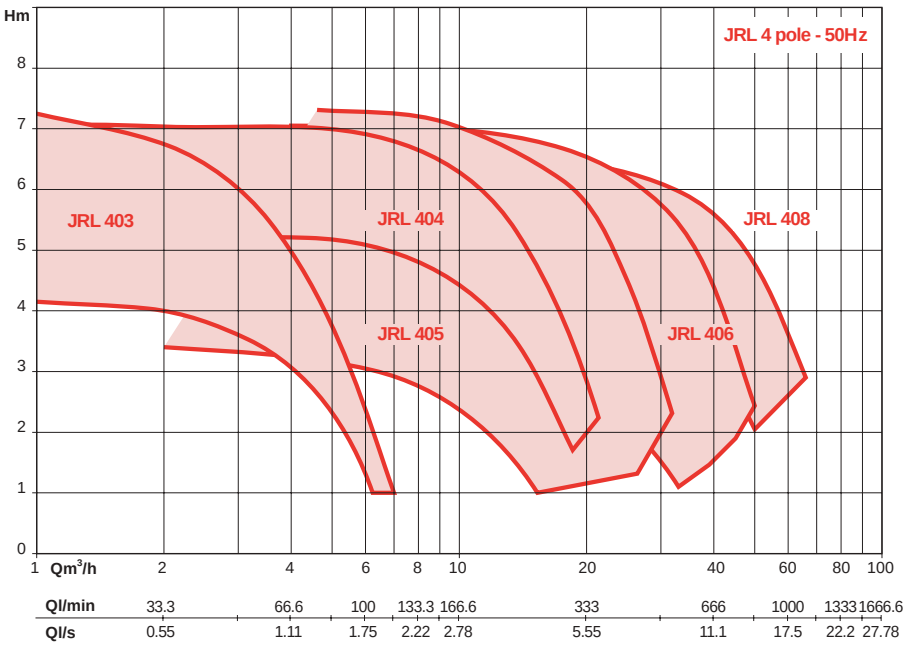
MOUNTING POSITION

direct mounting on vertical or horizontal pipe

pumps ND 65 and 80
mounting on solid block with optional base plate

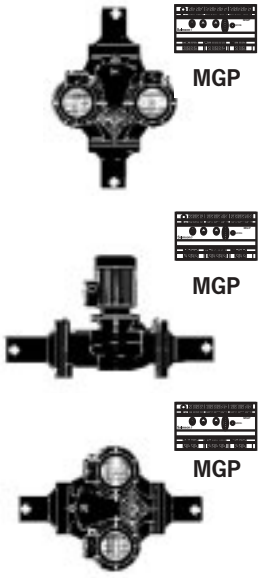
JRL - PRE-SELECTION GRAPHS



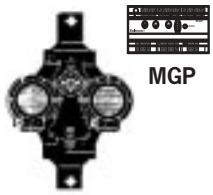


MOUNTING POSITION

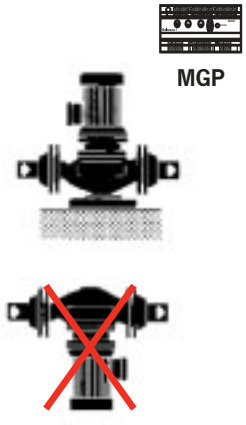
direct mounting on vertical or horizontal pipe



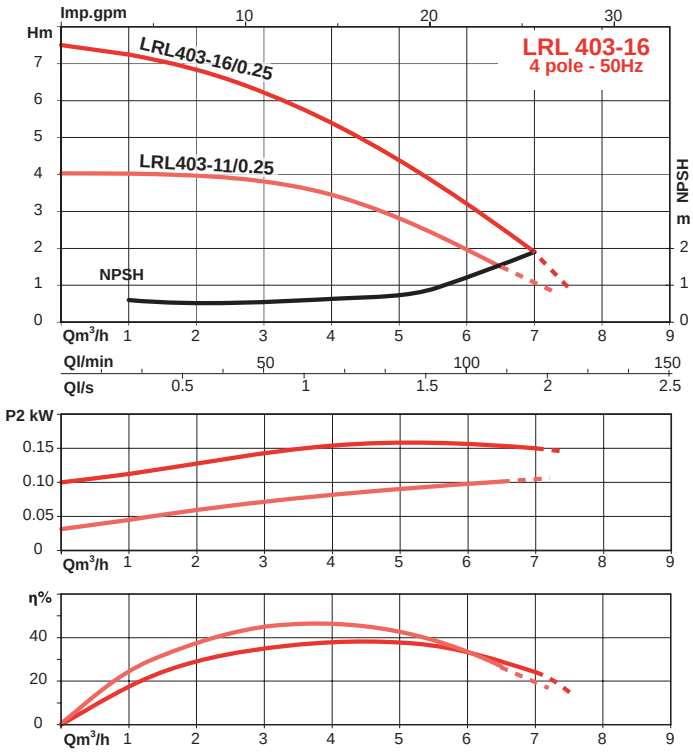
Possible mounting position, but pumps need periodical changeover to avoid trapped air at the high point.

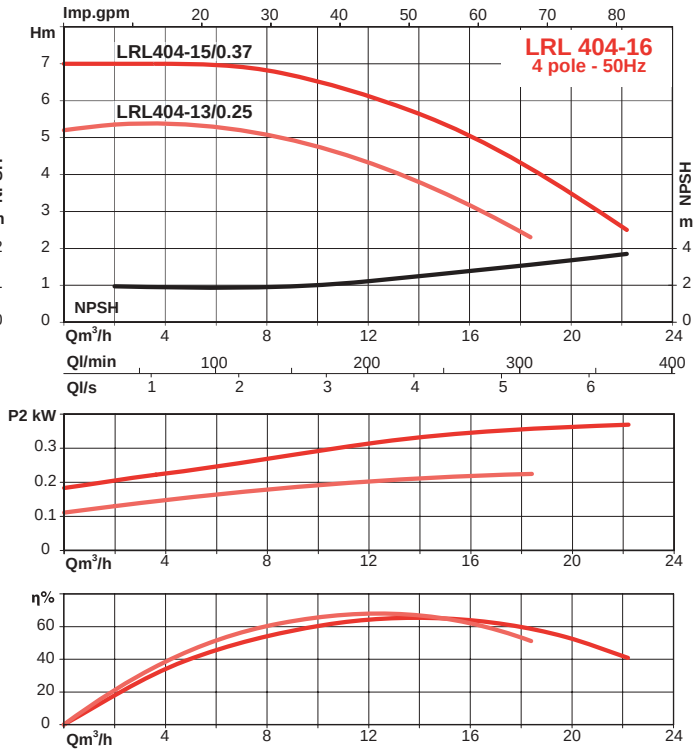


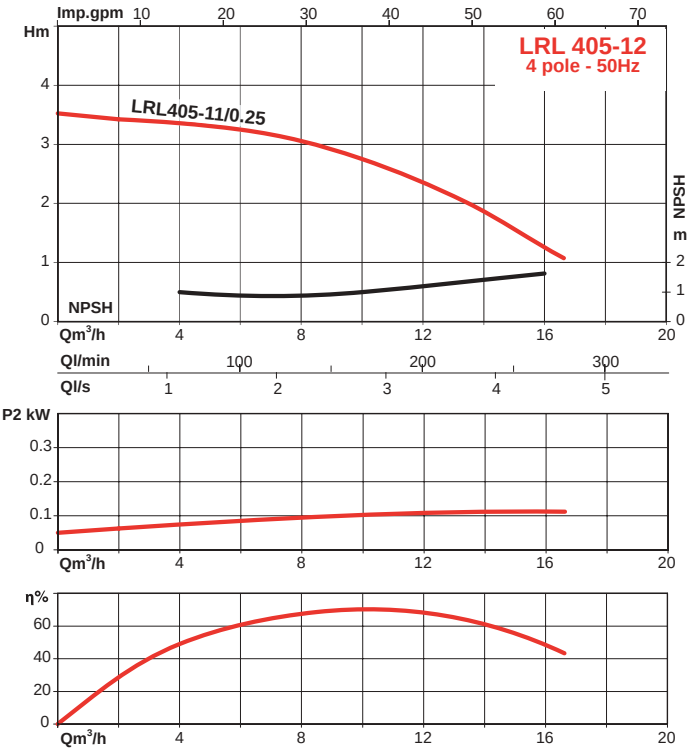
pumps ND 65 and 80
mounting on solid block with optional base plate

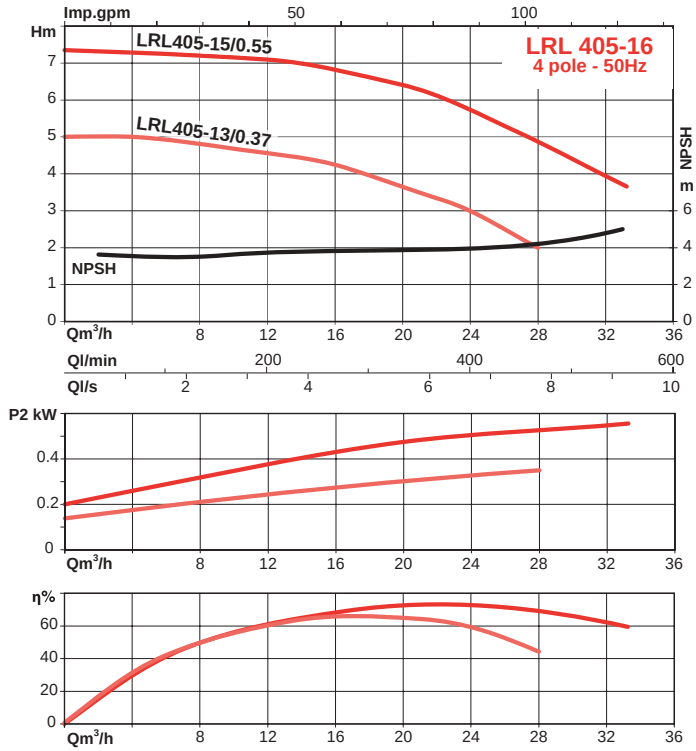


*To prevent the flap from malfunctioning, do not mount a butterfly valve directly on the discharge flange.

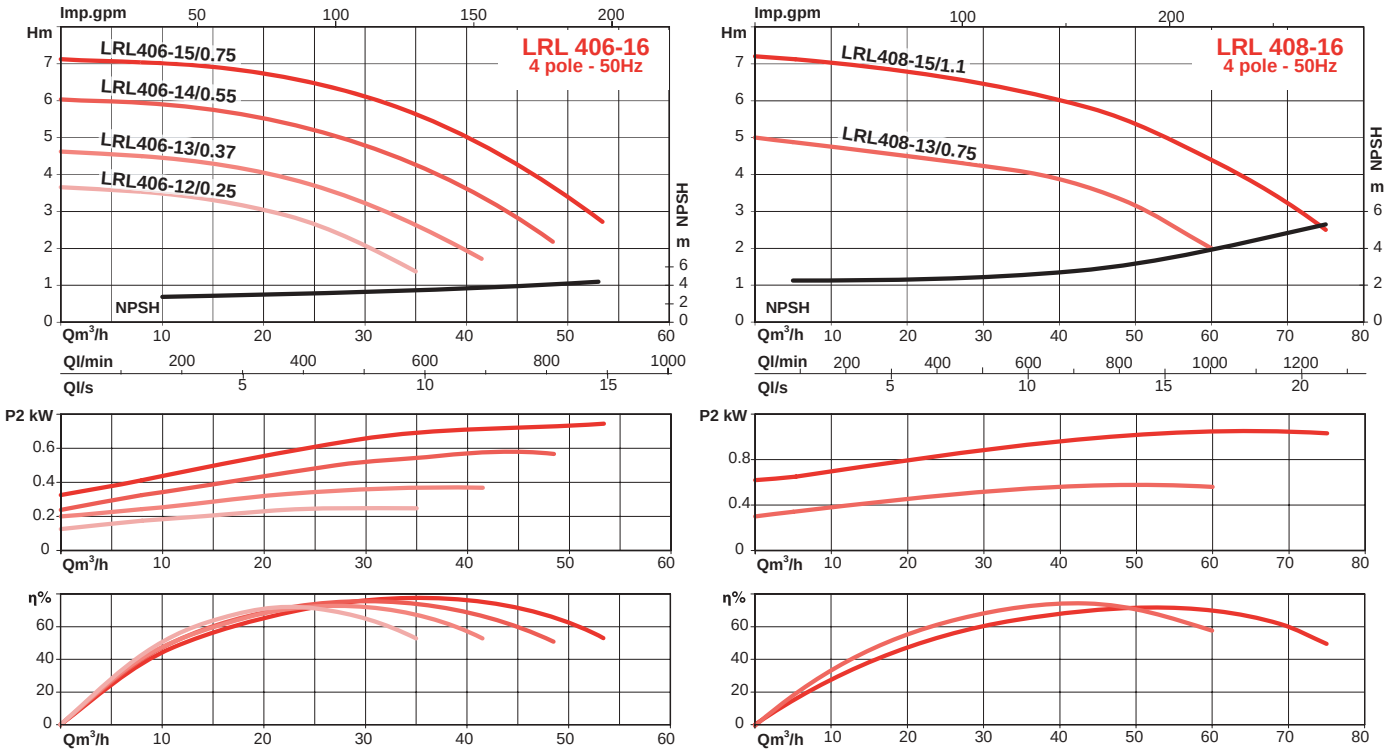

Imp.gpm
Hm
LRL403-16/0.25
LRL403-11/0.25
NPSH
LRL 403-16
4 pole - 50Hz
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%


Imp.gpm
Hm
LRL404-15/0.37
LRL404-13/0.25
NPSH
LRL 404-16
4 pole - 50Hz
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

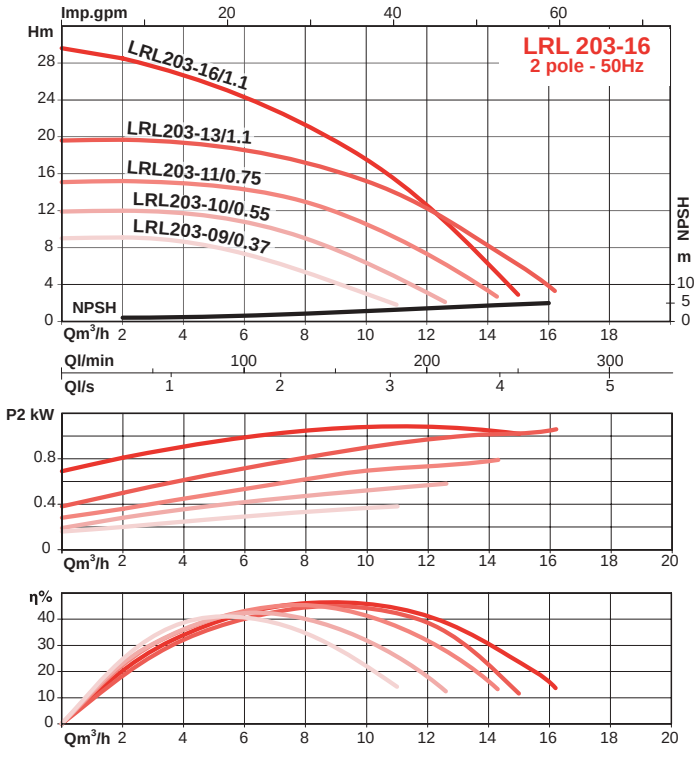

Imp.gpm
Hm
LRL405-11/0.25
NPSH
LRL 405-12
4 pole - 50Hz
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

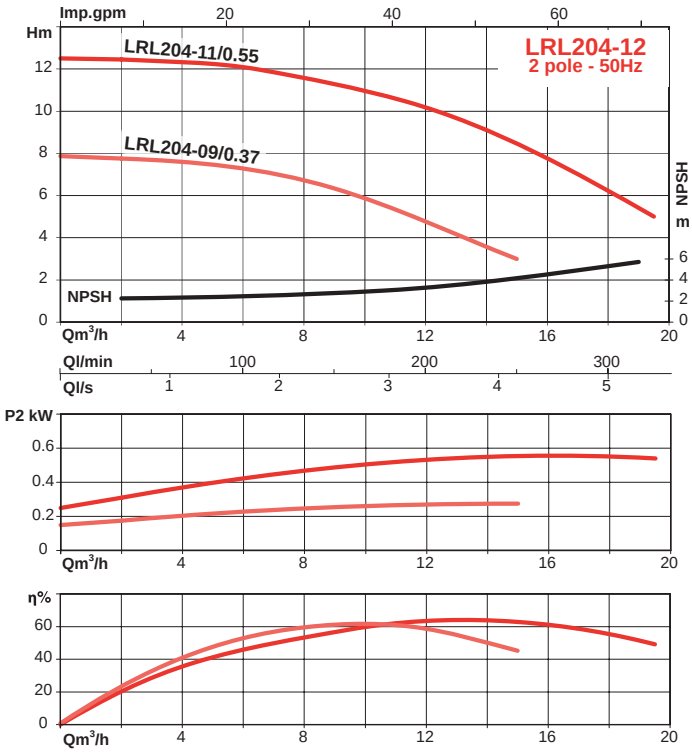

Imp.gpm
Hm
LRL405-15/0.55
LRL405-13/0.37
NPSH
LRL 405-16
4 pole - 50Hz
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

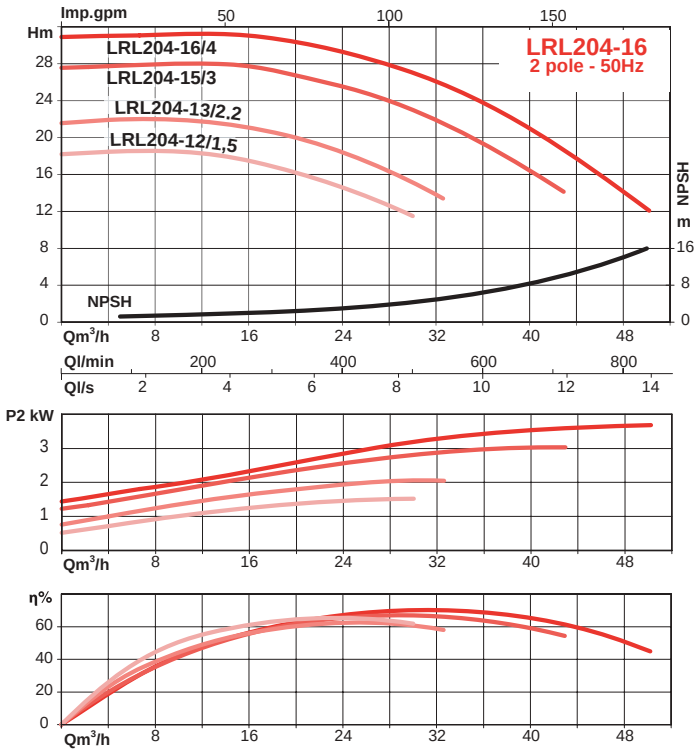
LRL 4 POLE

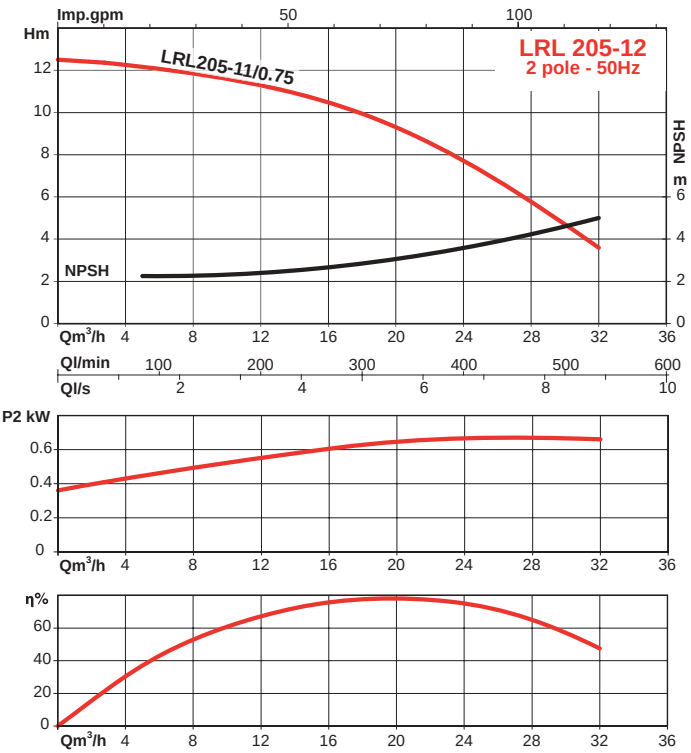


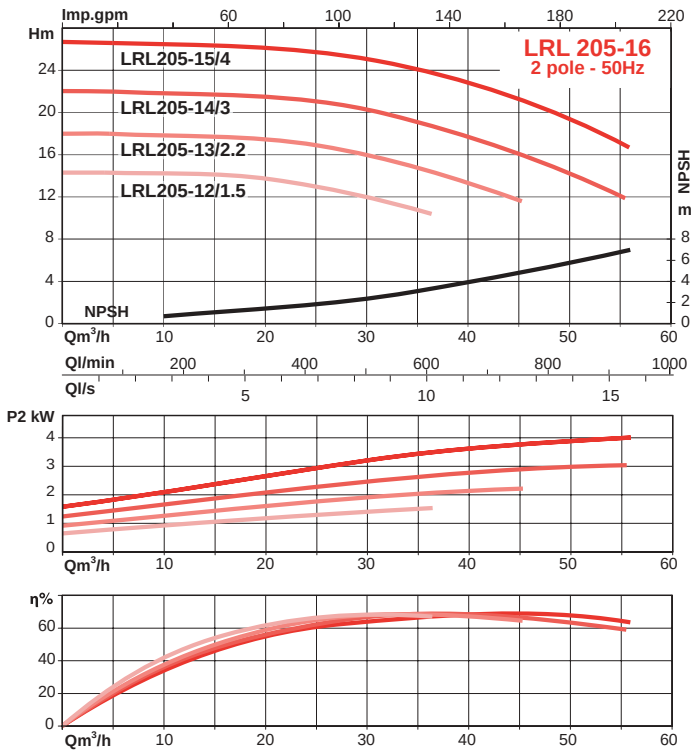
LRL 2 POLE

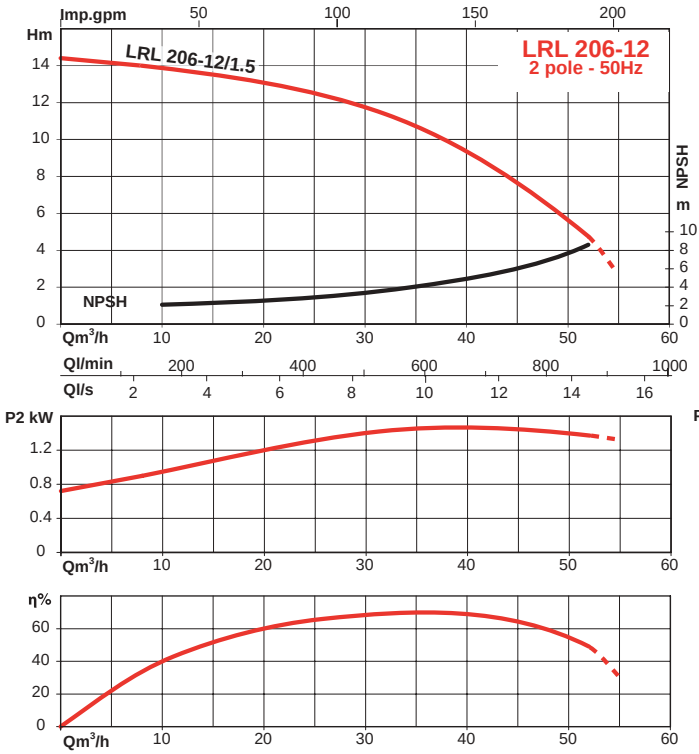


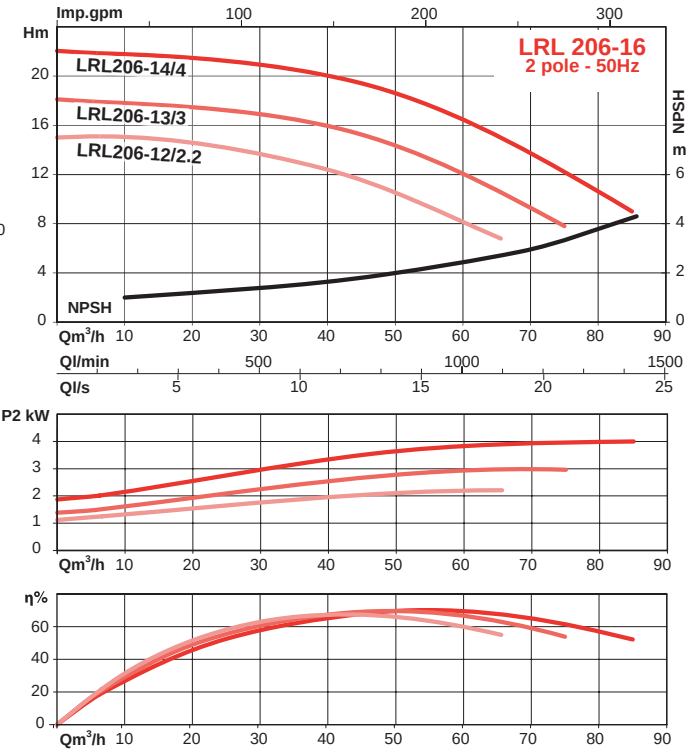

Imp.gpm
Hm
LRL204-11/0.55
LRL204-09/0.37
LRL204-12
2 pole - 50Hz
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

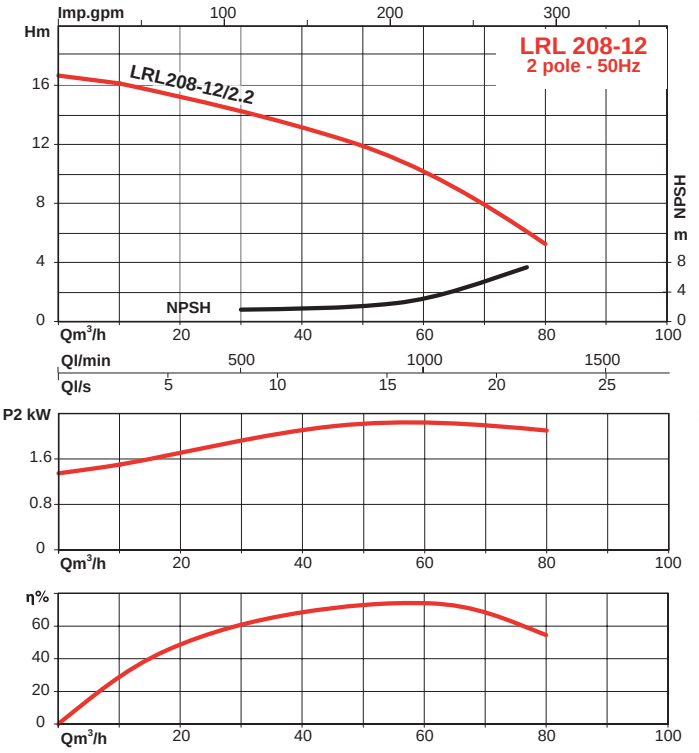

Imp.gpm
Hm
LRL204-16/4
LRL204-15/3
LRL204-13/2.2
LRL204-12/1,5
LRL204-16
2 pole - 50Hz
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

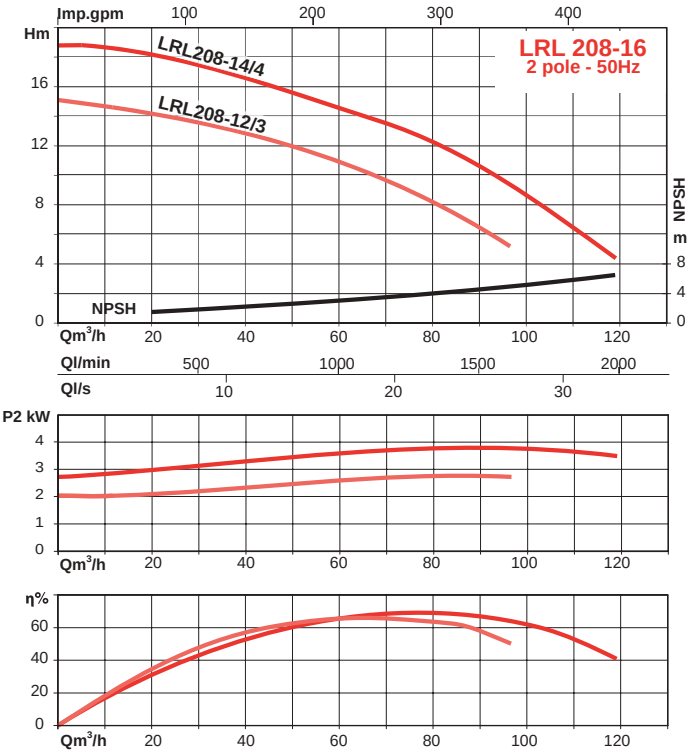

Imp.gpm
Hm
LRL205-11/0.75
LRL 205-12
2 pole - 50Hz
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

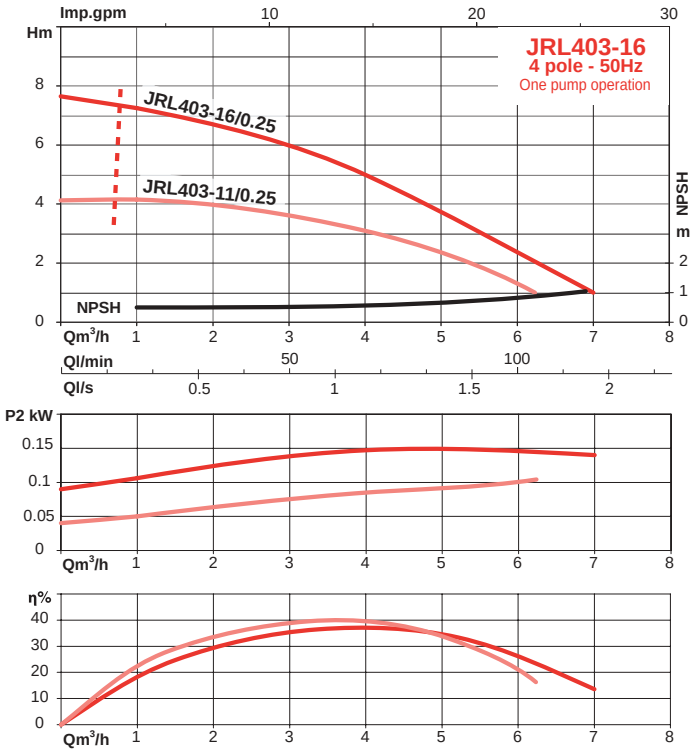

Imp.gpm
Hm
LRL205-15/4
LRL205-14/3
LRL205-13/2.2
LRL205-12/1.5
LRL 205-16
2 pole - 50Hz
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

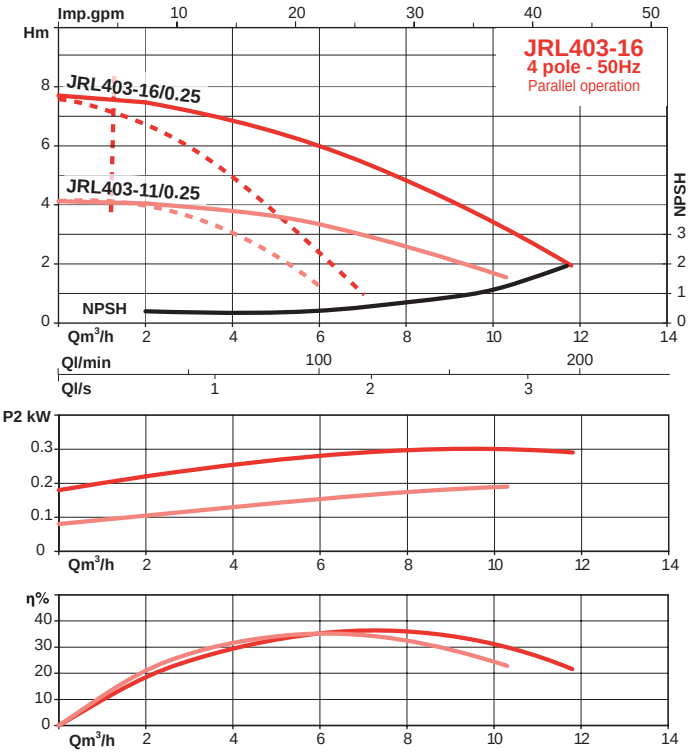

Imp.gpm
Hm
LRL 206-12/1.5
LRL 206-12
2 pole - 50Hz
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

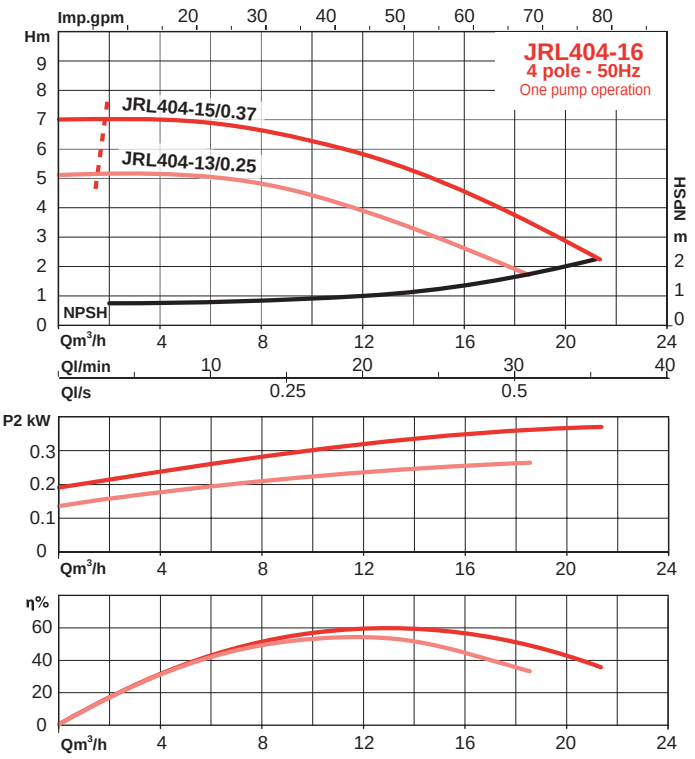

Imp.gpm
Hm
LRL206-14/4
LRL206-13/3
LRL206-12/2.2
LRL 206-16
2 pole - 50Hz
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

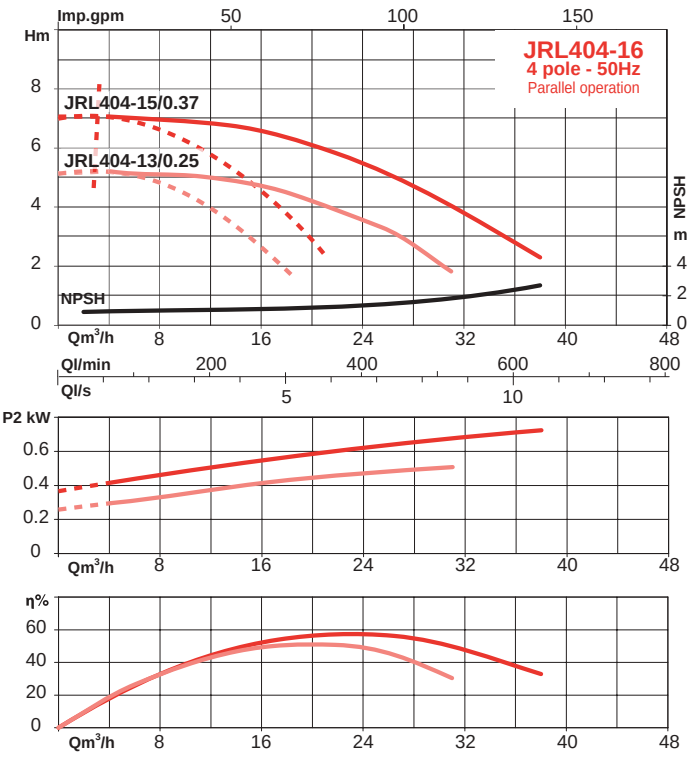

Imp.gpm
Hm
LRL208-12/2.2
LRL 208-12
2 pole - 50Hz
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

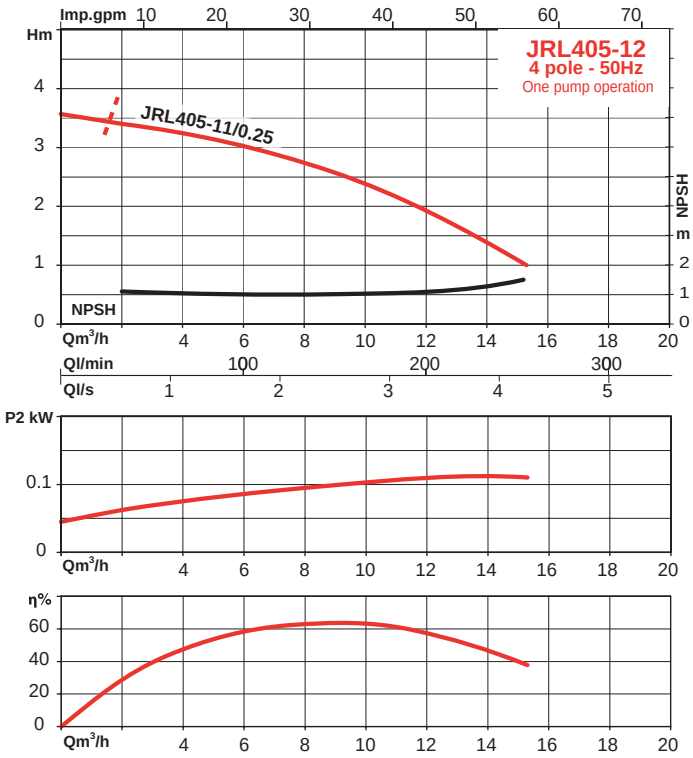

Imp.gpm
Hm
LRL208-14/4
LRL208-12/3
LRL 208-16
2 pole - 50Hz
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

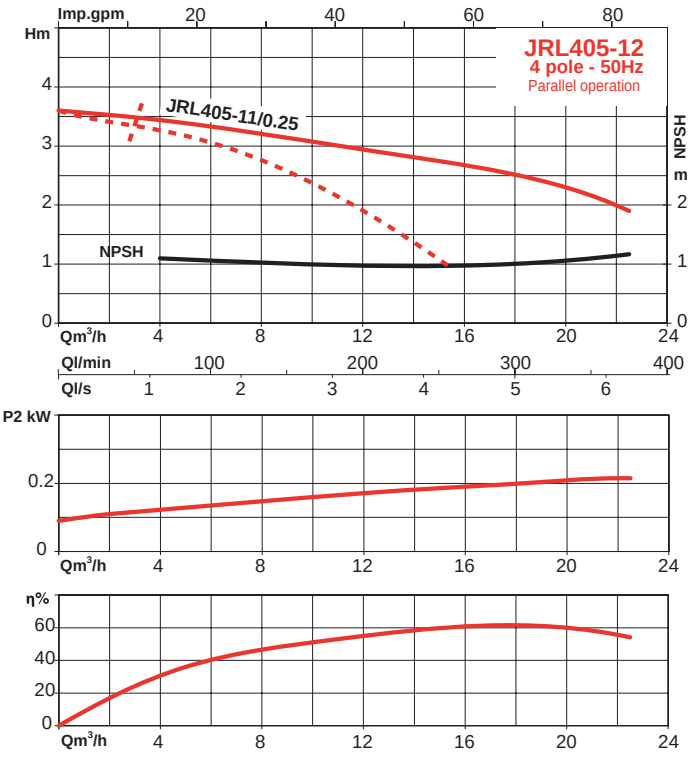

Imp.gpm
Hm
JRL403-16
4 pole - 50Hz
One pump operation
JRL403-16/0.25
JRL403-11/0.25
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

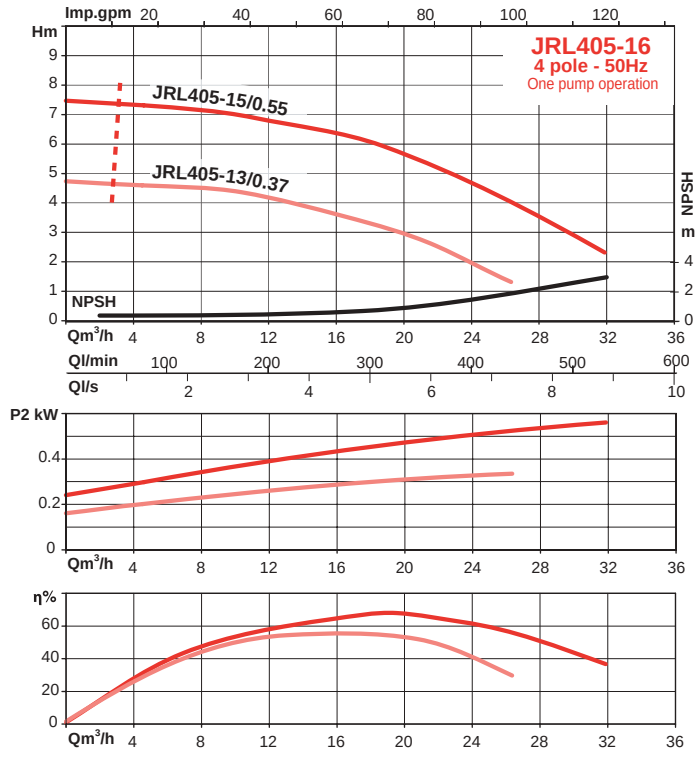

Imp.gpm
Hm
JRL403-16
4 pole - 50Hz
Parallel operation
JRL403-16/0.25
JRL403-11/0.25
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

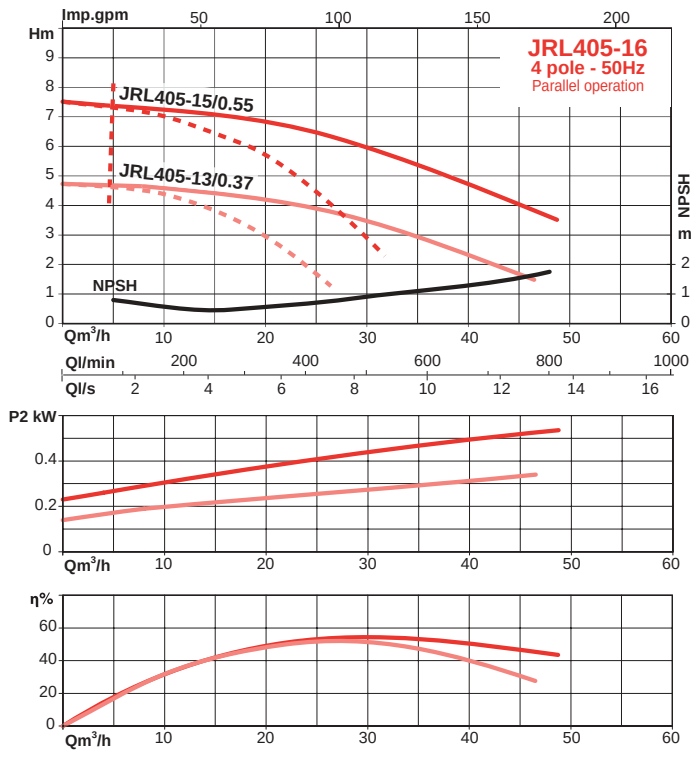

Imp.gpm
Hm
JRL404-16
4 pole - 50Hz
One pump operation
JRL404-15/0.37
JRL404-13/0.25
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

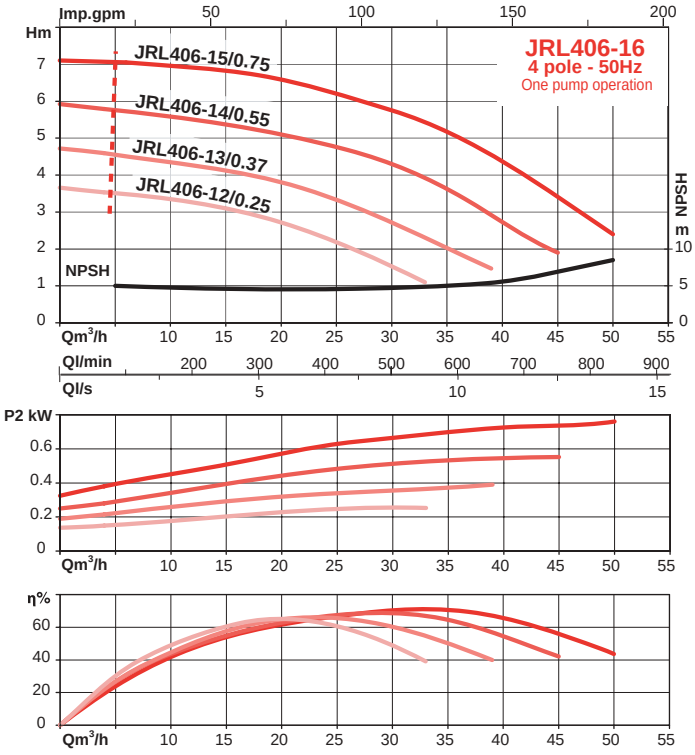

Imp.gpm
Hm
JRL404-16
4 pole - 50Hz
Parallel operation
JRL404-15/0.37
JRL404-13/0.25
NPSH
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

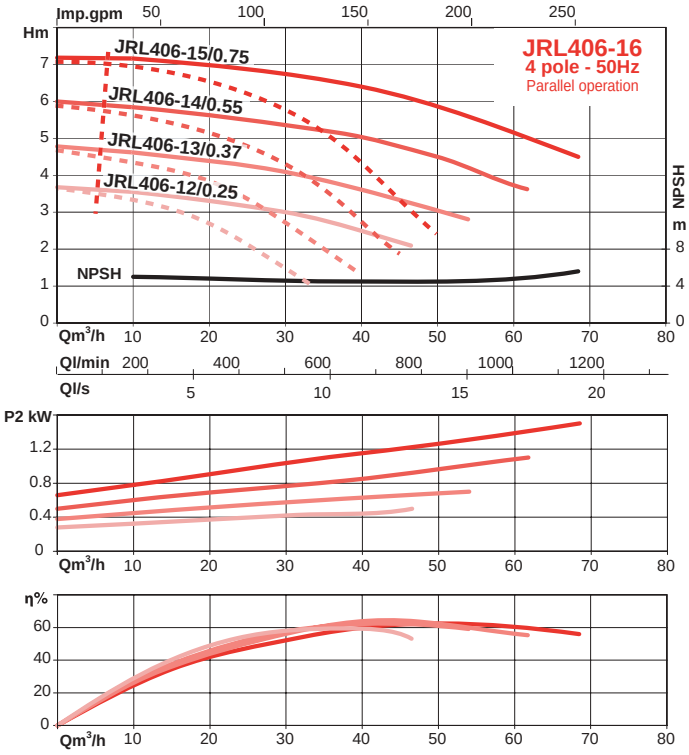

Imp.gpm 10 20 30 40 50 60 70
Hm
JRL405-12
4 pole - 50Hz
One pump operation
JRL405-11/0.25
NPSH
NPSH m
Qm³/h 4 6 8 10 12 14 16 18 20
Ql/min 100 200 300
Ql/s 1 2 3 4 5
P2 kW
0 0.1
Qm³/h 4 6 8 10 12 14 16 18 20
η%
0 20 40 60
Qm³/h 4 6 8 10 12 14 16 18 20

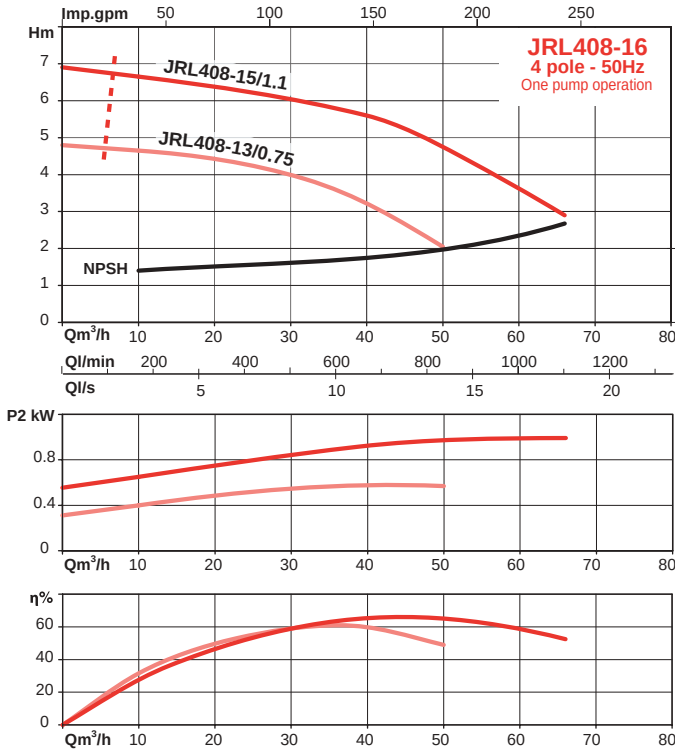

Imp.gpm 20 40 60 80
Hm
JRL405-12
4 pole - 50Hz
Parallel operation
JRL405-11/0.25
NPSH
NPSH m
Qm³/h 4 8 12 16 20 24
Ql/min 100 200 300 400
Ql/s 1 2 3 4 5 6
P2 kW
0 0.2
Qm³/h 4 8 12 16 20 24
η%
0 20 40 60
Qm³/h 4 8 12 16 20 24

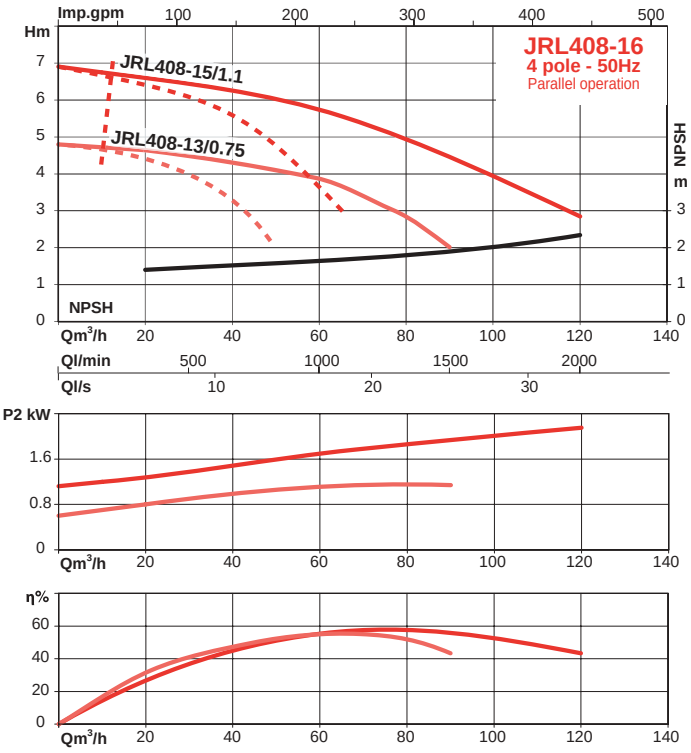

Imp.gpm 20 40 60 80 100 120
Hm
JRL405-16
4 pole - 50Hz
One pump operation
JRL405-15/0.55
JRL405-13/0.37
NPSH
NPSH m
Qm³/h 4 8 12 16 20 24 28 32 36
Ql/min 100 200 300 400 500 600
Ql/s 2 4 6 8 10
P2 kW
0 0.2 0.4
Qm³/h 4 8 12 16 20 24 28 32 36
η%
0 20 40 60
Qm³/h 4 8 12 16 20 24 28 32 36

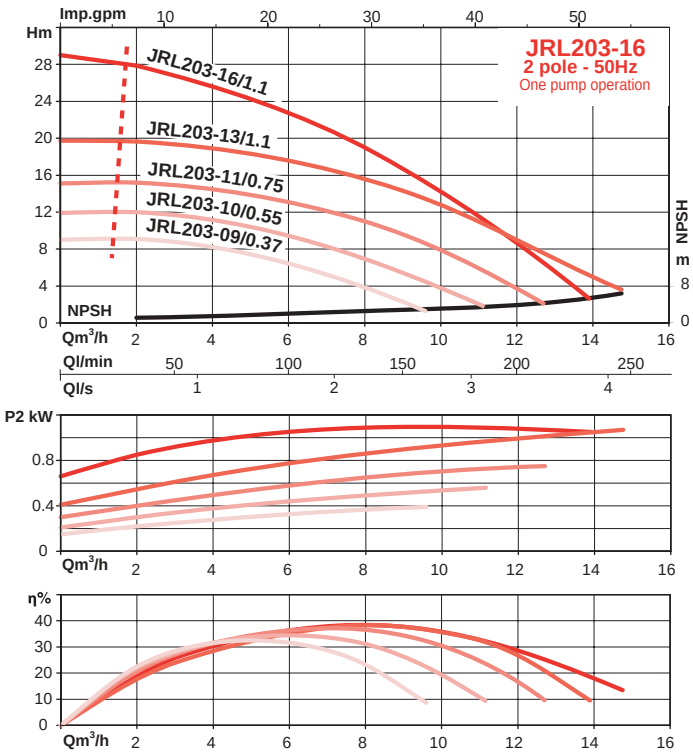

Imp.gpm 50 100 150 200
Hm
JRL405-16
4 pole - 50Hz
Parallel operation
JRL405-15/0.55
JRL405-13/0.37
NPSH
NPSH m
Qm³/h 10 20 30 40 50 60
Ql/min 200 400 600 800 1000
Ql/s 2 4 6 8 10 12 14 16
P2 kW
0 0.2 0.4
Qm³/h 10 20 30 40 50 60
η%
0 20 40 60
Qm³/h 10 20 30 40 50 60

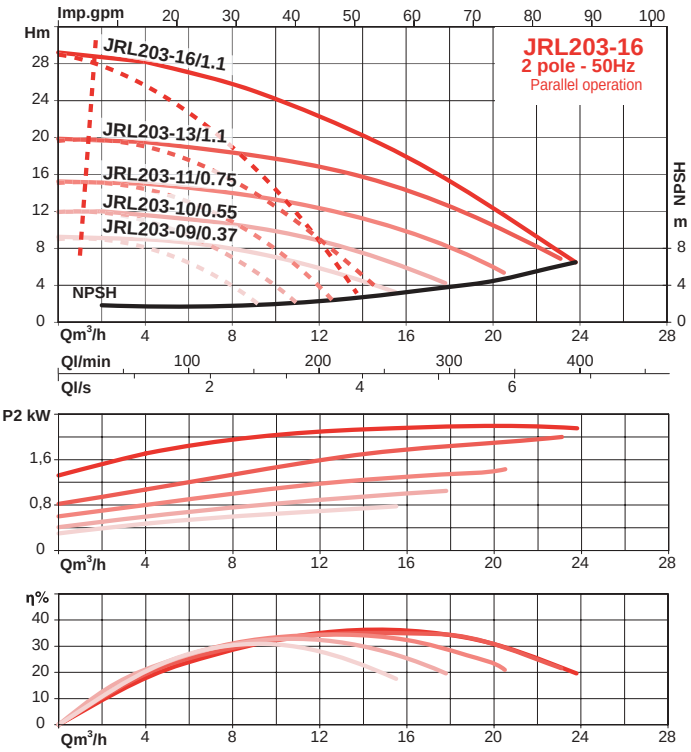

Imp.gpm
Hm
JRL406-15/0.75
JRL406-14/0.55
JRL406-13/0.37
JRL406-12/0.25
NPSH
JRL406-16
4 pole - 50Hz
One pump operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

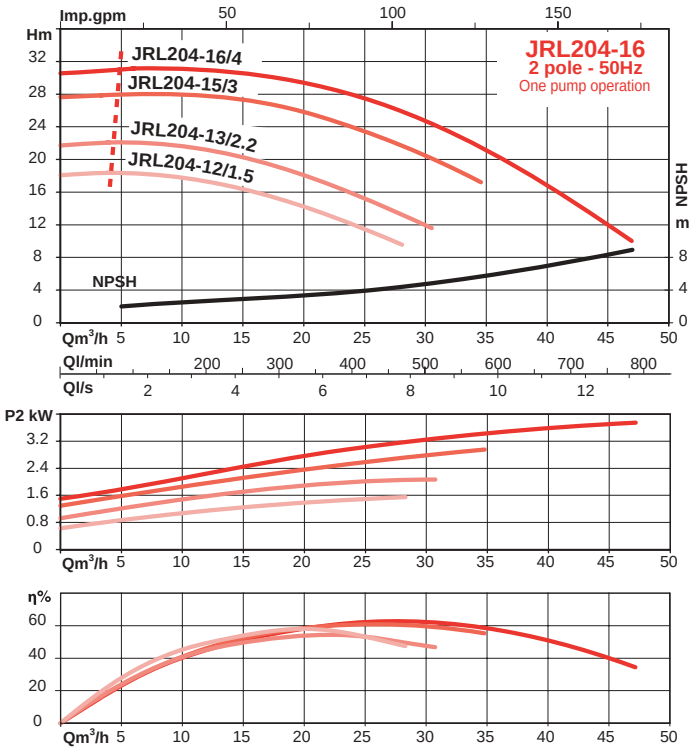

Imp.gpm
Hm
JRL406-15/0.75
JRL406-14/0.55
JRL406-13/0.37
JRL406-12/0.25
NPSH
JRL406-16
4 pole - 50Hz
Parallel operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

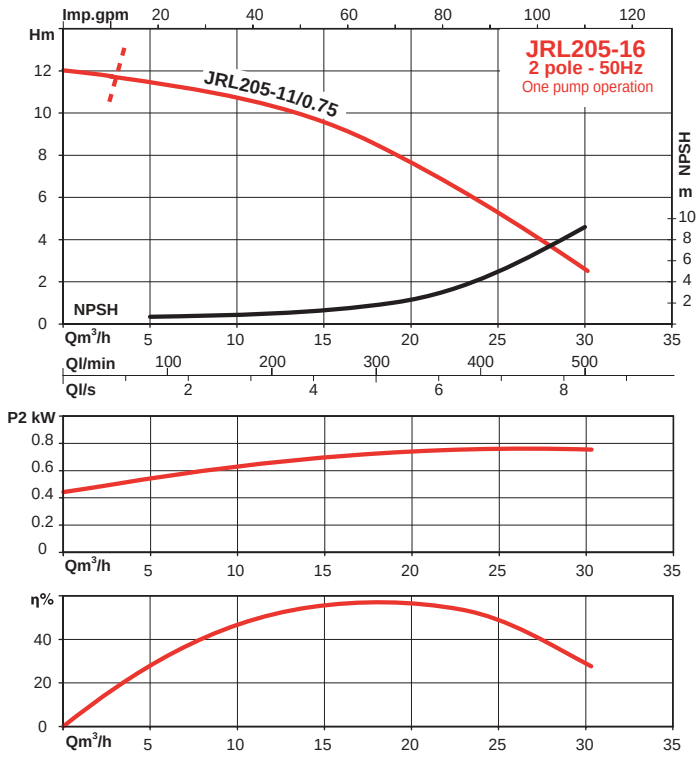

Imp.gpm
Hm
JRL408-15/1.1
JRL408-13/0.75
NPSH
JRL408-16
4 pole - 50Hz
One pump operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

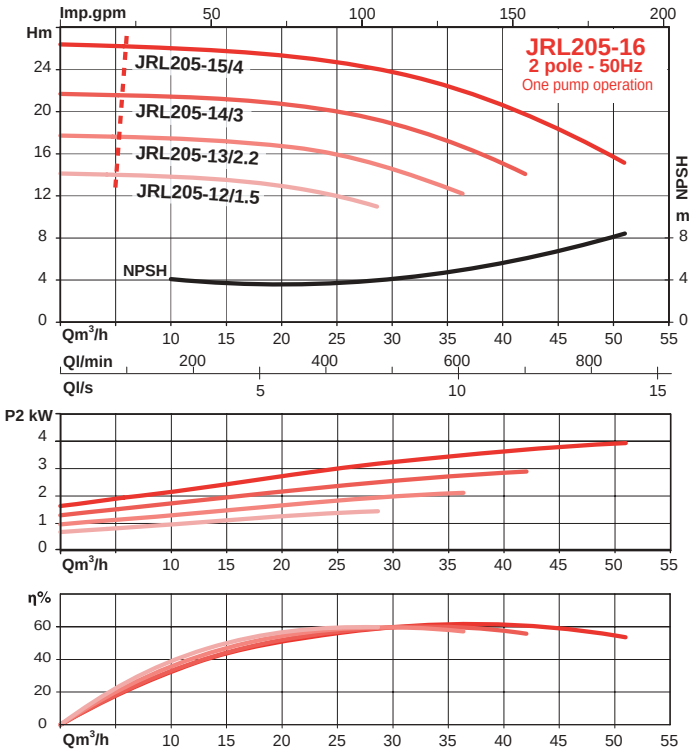

Imp.gpm
Hm
JRL408-15/1.1
JRL408-13/0.75
NPSH
JRL408-16
4 pole - 50Hz
Parallel operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

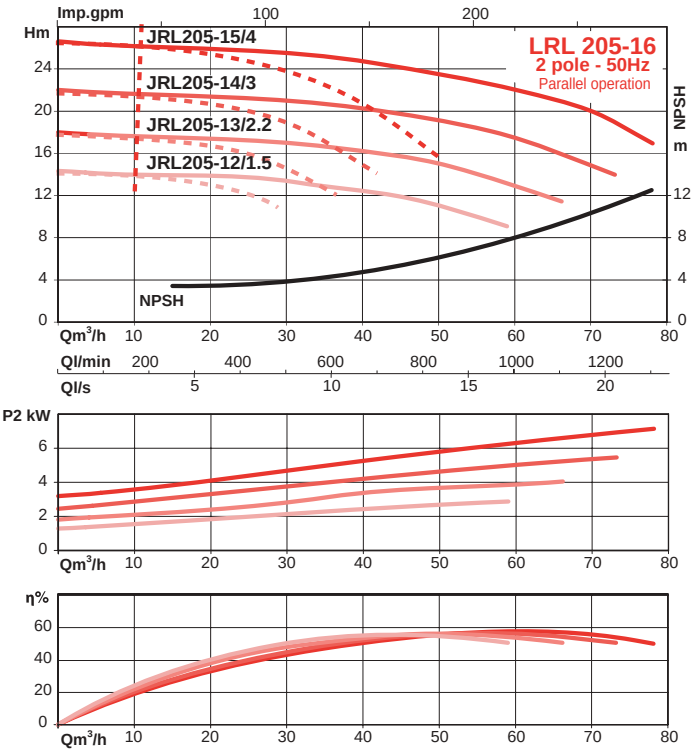

Imp.gpm
Hm
JRL203-16/1.1
JRL203-13/1.1
JRL203-11/0.75
JRL203-10/0.55
JRL203-09/0.37
NPSH
JRL203-16
2 pole - 50Hz
One pump operation
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

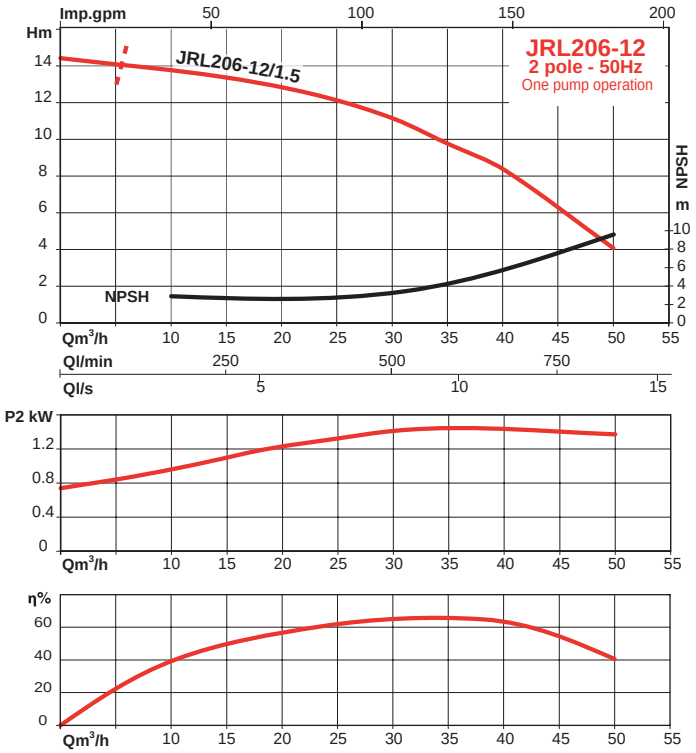

Imp.gpm
Hm
JRL203-16/1.1
JRL203-13/1.1
JRL203-11/0.75
JRL203-10/0.55
JRL203-09/0.37
NPSH
JRL203-16
2 pole - 50Hz
Parallel operation
m NPSH
Qm³/h
Ql/min
Ql/s
P2 kW
η%

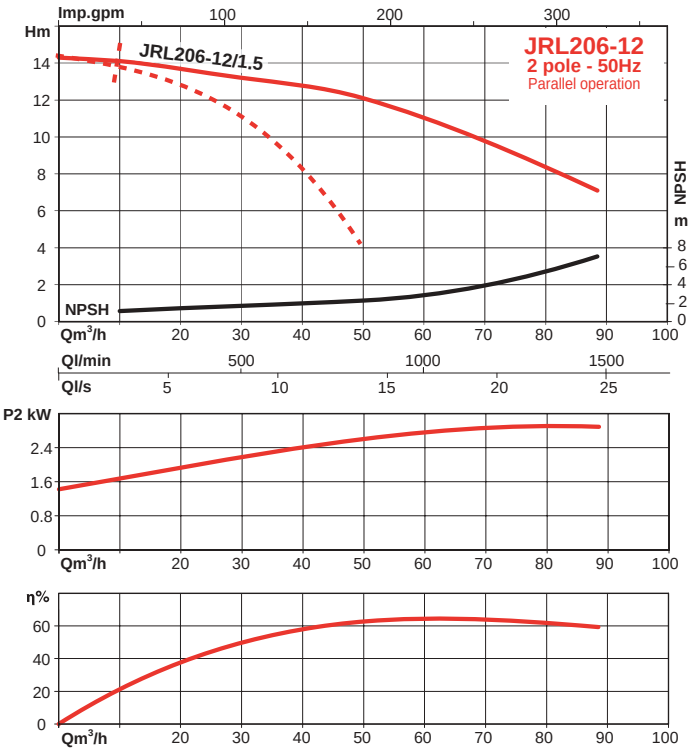

Imp.gpm
50
100
150
Hm
32
28
24
20
16
12
8
4
0
JRL204-16/4
JRL204-15/3
JRL204-13/2.2
JRL204-12/1.5
NPSH
JRL204-16
2 pole - 50Hz
One pump operation
NPSH
m
Qm³/h 5 10 15 20 25 30 35 40 45 50
Ql/min 200 300 400 500 600 700 800
Ql/s 2 4 6 8 10 12
P2 kW
3.2
2.4
1.6
0.8
0
Qm³/h 5 10 15 20 25 30 35 40 45 50
η%
60
40
20
0
Qm³/h 5 10 15 20 25 30 35 40 45 50

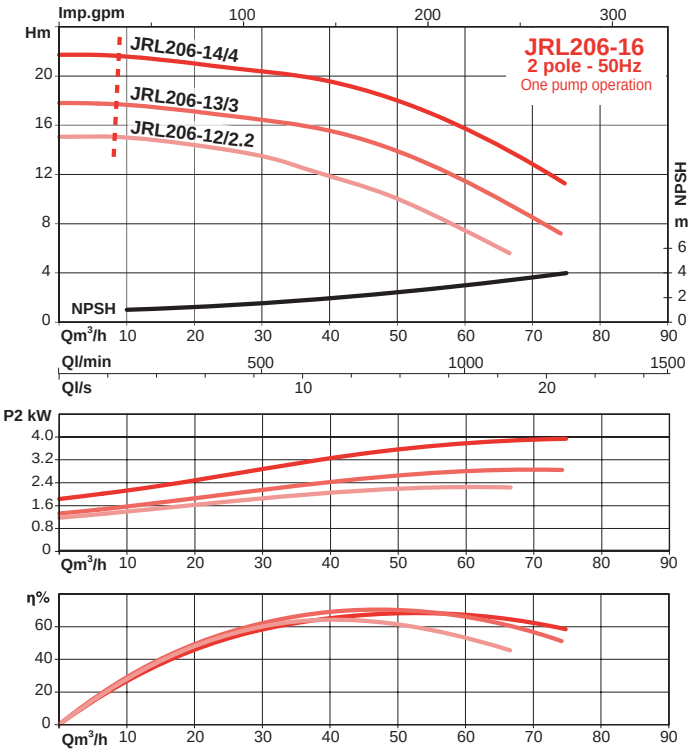

Imp.gpm
20
40
60
80
100
120
Hm
12
10
8
6
4
2
0
JRL205-11/0.75
NPSH
JRL205-16
2 pole - 50Hz
One pump operation
NPSH
m
10
8
6
4
2
Qm³/h 5 10 15 20 25 30 35
Ql/min 100 200 300 400 500
Ql/s 2 4 6 8
P2 kW
0.8
0.6
0.4
0.2
0
Qm³/h 5 10 15 20 25 30 35
η%
40
20
0
Qm³/h 5 10 15 20 25 30 35

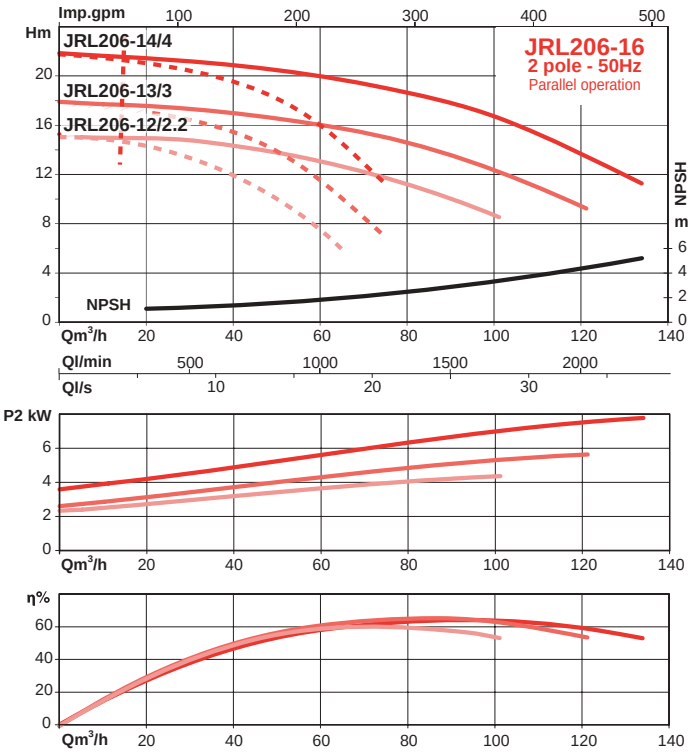

Imp.gpm
Hm
JRL205-15/4
JRL205-14/3
JRL205-13/2.2
JRL205-12/1.5
NPSH
JRL205-16
2 pole - 50Hz
One pump operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

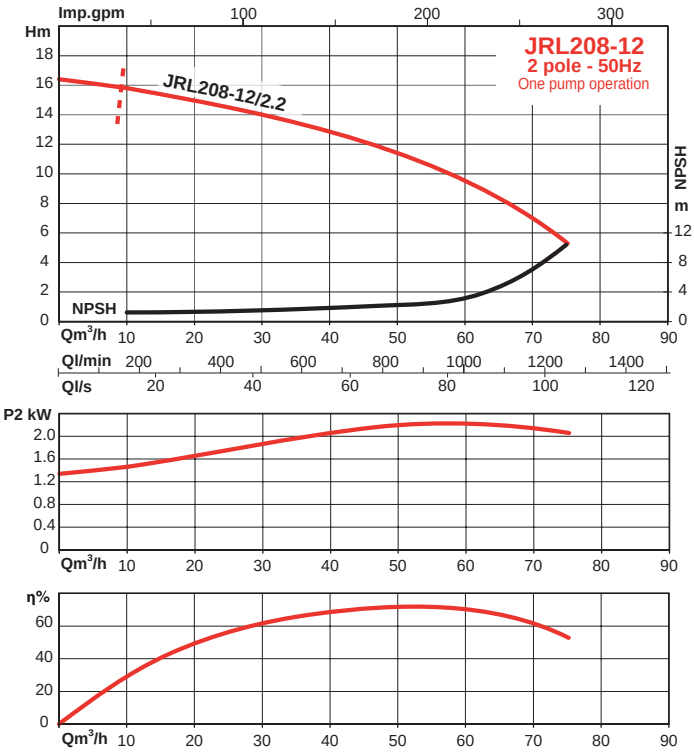

Imp.gpm
Hm
JRL205-15/4
JRL205-14/3
JRL205-13/2.2
JRL205-12/1.5
NPSH
LRL 205-16
2 pole - 50Hz
Parallel operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

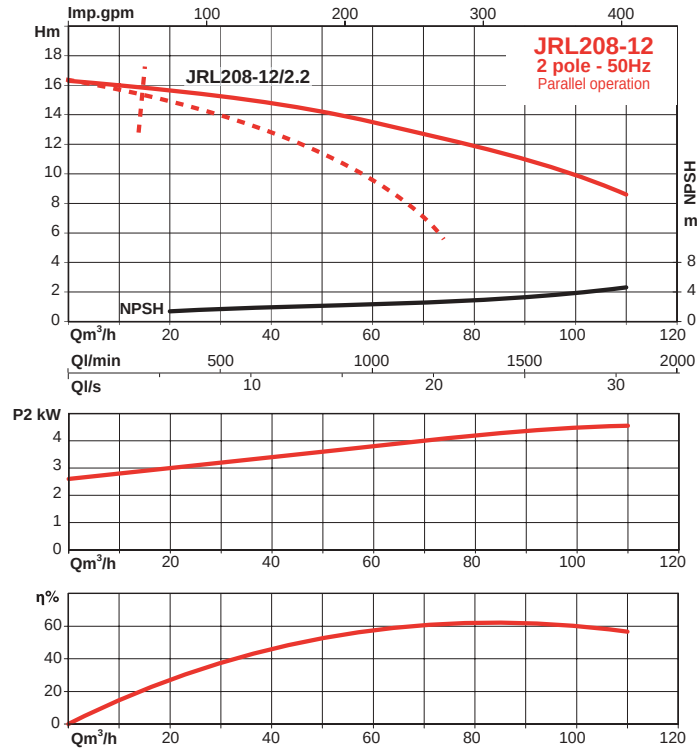

Imp.gpm
Hm
JRL206-12/1.5
NPSH
JRL206-12
2 pole - 50Hz
One pump operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

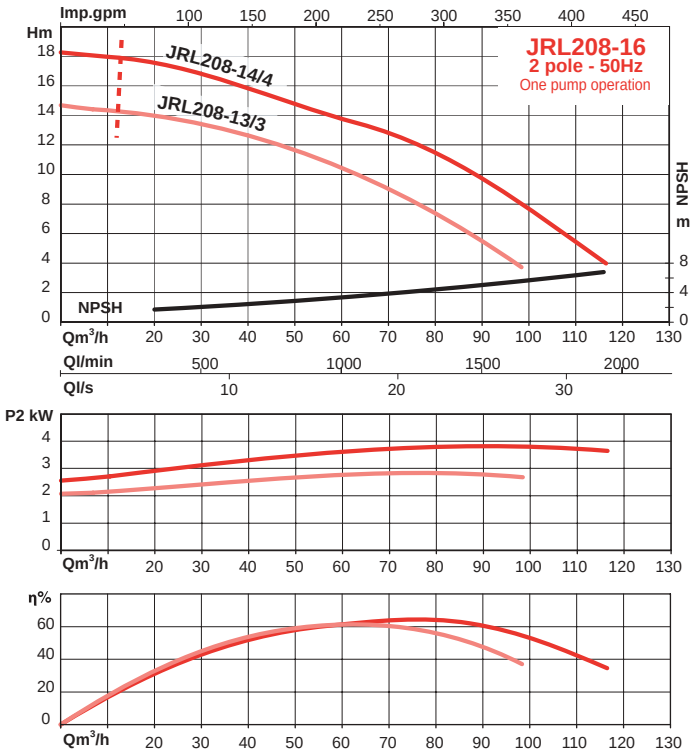

Imp.gpm
Hm
JRL206-12/1.5
NPSH
JRL206-12
2 pole - 50Hz
Parallel operation
NPSH m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

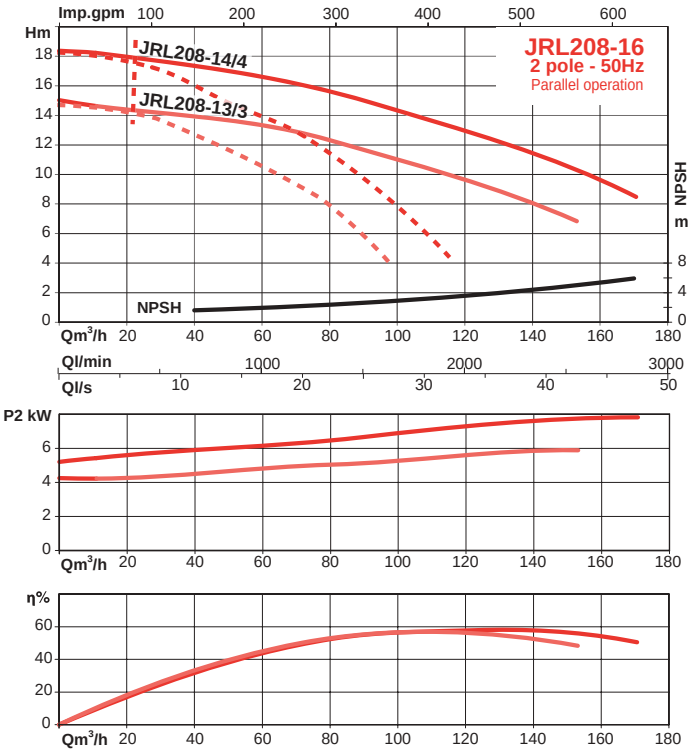

Imp.gpm
Hm
JRL206-14/4
JRL206-13/3
JRL206-12/2.2
JRL206-16
2 pole - 50Hz
One pump operation
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%


Imp.gpm
Hm
JRL206-14/4
JRL206-13/3
JRL206-12/2.2
JRL206-16
2 pole - 50Hz
Parallel operation
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%


Imp.gpm
Hm
JRL208-12/2.2
JRL208-12
2 pole - 50Hz
One pump operation
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%

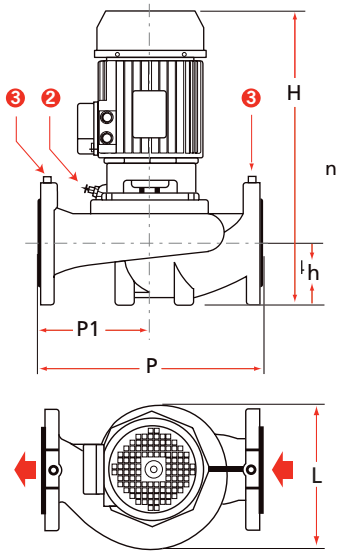

Imp.gpm
Hm
JRL208-12/2.2
JRL208-12
2 pole - 50Hz
Parallel operation
NPSH
NPSH
m
Qm³/h
Ql/min
Ql/s
P2 kW
η%


Imp.gpm 100 150 200 250 300 350 400 450
Hm
JRL208-16
2 pole - 50Hz
One pump operation
JRL208-14/4
JRL208-13/3
NPSH
NPSH m
Qm³/h 20 30 40 50 60 70 80 90 100 110 120 130
Ql/min 500 1000 1500 2000
Ql/s 10 20 30
P2 kW
Qm³/h 20 30 40 50 60 70 80 90 100 110 120 130
η%
Qm³/h 20 30 40 50 60 70 80 90 100 110 120 130

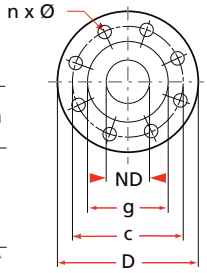

Imp.gpm 100 200 300 400 500 600
Hm
JRL208-16
2 pole - 50Hz
Parallel operation
JRL208-14/4
JRL208-13/3
NPSH
NPSH m
Qm³/h 20 40 60 80 100 120 140 160 180
Ql/min 1000 2000 3000
Ql/s 10 20 30 40 50
P2 kW
Qm³/h 20 40 60 80 100 120 140 160 180
η%
Qm³/h 20 40 60 80 100 120 140 160 180

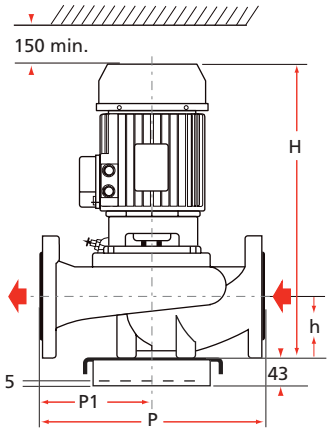
LRL-JRL

LRL - ELECTRICAL DATA AND DIMENSIONS



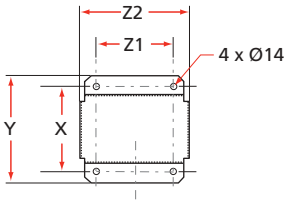
SUCTION-DISCHARGE FLANGES PN10 EN 1092-2





OPTIONAL BASE PLATE PUMPS ND 65 and 80

ND	X mm	Y mm	Z1 mm	Z2 mm
65	210	260	264	190
80	250	300	312	230



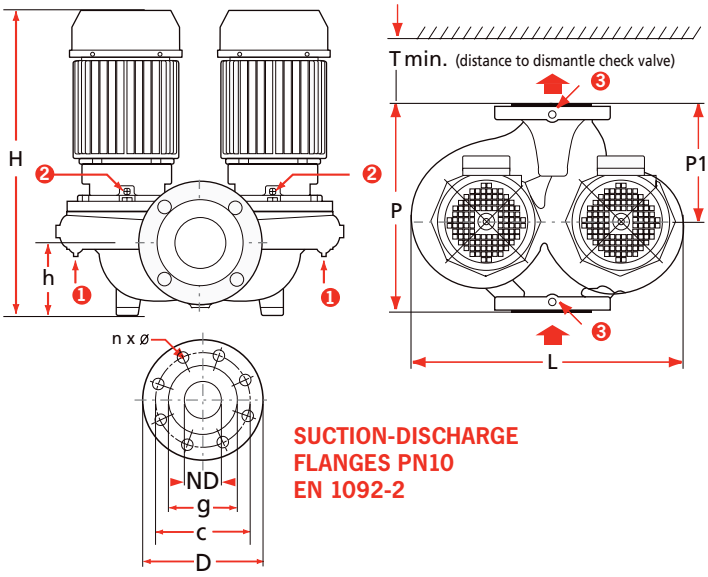
OTHER PORTS

2 - Mechanical seal de-aerating device

3 - Pressure gauge connection ports Ø 1/8"

Order reference	MOTOR P2 kW	MOTOR full load current in A 3-ph.230V	MOTOR full load current in A 3-ph.400V	L mm	H mm	h mm	P mm	P1 mm	PUMP mass kg	ND mm	D mm	g mm	c mm	holes n x Ø
LRL203-09/0.37	0.37	2	1.15	207	365	70	260	130	20.5	32	140	78	100	4 x 19
LRL203-10/0.55	0.55	2.85	1.65	207	365	70	260	130	21.5	32	140	78	100	4 x 19
LRL203-11/0.75	0.75	3.3	1.91	207	365	70	260	130	24	32	140	78	100	4 x 19
LRL203-13/1.1	1.1	4.6	2.7	207	401	70	260	130	25	32	140	78	100	4 x 19
LRL203-16/1.1	1.1	4.6	2.7	207	401	70	260	130	25	32	140	78	100	4 x 19
LRL204-09/0.37	0.37	2	1.15	170	369	75	250	125	19	40	150	88	110	4 x 19
LRL204-11/0.55	0.55	2.85	1.65	170	369	75	250	125	20	40	150	88	110	4 x 19
LRL204-12/1.5	1.5	6	3.5	234	400	75	320	160	25	40	150	88	110	4 x 19
LRL204-13/2.2	2.2	8.5	4.9	234	428	75	320	160	28	40	150	88	110	4 x 19
LRL204-15/3	3	10.6	6.1	234	451	75	320	160	34.5	40	150	88	110	4 x 19
LRL204-16/4	4	-	7.5	234	494.5	75	320	160	40.5	40	150	88	110	4 x 19
LRL205-11/0.75	0.75	3.3	1.91	192	383	83	280	140	23	50	165	102	125	4 x 19
LRL205-12/1.5	1.5	6	3.5	247	435.5	86	340	170	34.5	50	165	102	125	4 x 19
LRL205-13/2.2	2.2	8.5	4.9	247	435.5	86	340	170	34.5	50	165	102	125	4 x 19
LRL205-14/3	3	10.6	6.1	247	464	86	340	170	37.5	50	165	102	125	4 x 19
LRL205-15/4	4	-	7.5	247	507.5	86	340	170	43.5	50	165	102	125	4 x 19
LRL206-12/1.5	1.5	6	3.5	218	453.5	93	340	170	34	65	185	122	145	4 x 19
LRL206-12/2.2	2.2	8.5	4.9	257	448.5	93	340	170	37	65	185	122	145	4 x 19
LRL206-13/3	3	10.6	6.1	257	477	93	340	170	40	65	185	122	145	4 x 19
LRL206-14/4	4	-	7.5	257	520.5	93	340	170	46	65	185	122	145	4 x 19
LRL208-12/2.2	2.2	8.5	4.9	245	478	100	360	180	39	80	200	138	160	8 x 19
LRL208-13/3	3	10.6	6.1	278	495	105	360	180	44	80	200	138	160	8 x 19
LRL208-14/4	4	-	7.5	278	538.5	105	360	180	50	80	200	138	160	8 x 19
LRL403-11/0.25	0.25	1.2	0.7	207	365	70	260	130	20	32	140	78	100	4 x 19
LRL403-16/0.25	0.25	1.2	0.7	207	365	70	260	130	20	32	140	78	100	4 x 19
LRL404-13/0.25	0.25	1.2	0.7	234	364	75	320	160	20	40	150	88	110	4 x 19
LRL404-15/0.37	0.37	2	1.15	234	364	75	320	160	24	40	150	88	110	4 x 19
LRL405-11/0.25	0.25	1.2	0.7	192	383	83	280	140	25	50	165	102	125	4 x 19
LRL405-13/0.37	0.37	2	1.15	247	377	86	340	170	25	50	165	102	125	4 x 19
LRL405-15/0.55	0.55	2.85	1.65	247	413	86	340	170	26	50	165	102	125	4 x 19
LRL406-12/0.25	0.25	1.2	0.7	257	390	93	340	170	27	65	185	122	145	4 x 19
LRL406-13/0.37	0.37	2	1.15	257	390	93	340	170	28	65	185	122	145	4 x 19
LRL406-14/0.55	0.55	2.85	1.65	257	426	93	340	170	29	65	185	122	145	4 x 19
LRL406-15/0.75	0.75	3.3	1.91	257	426	93	340	170	31	65	185	122	145	4 x 19
LRL408-13/0.75	0.75	3.3	1.91	278	444	105	360	180	37	80	200	138	160	8 x 19
LRL408-15/1.1	1.1	4.6	2.7	278	444	105	360	180	42	80	200	138	160	8 x 19

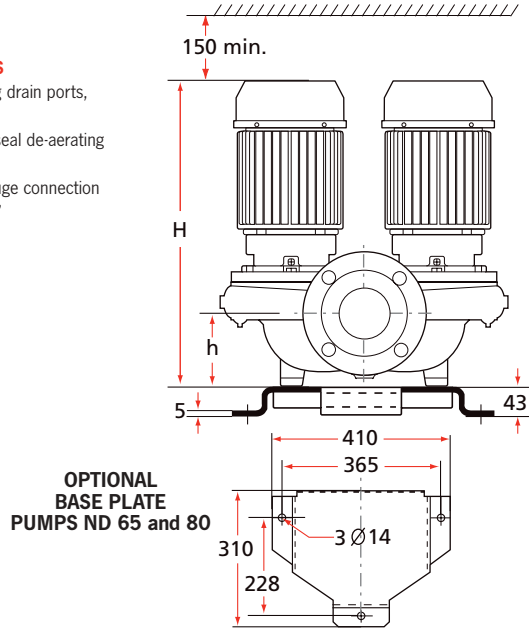
JRL - ELECTRICAL DATA AND DIMENSIONS



SUCTION-DISCHARGE FLANGES PN10 EN 1092-2

OTHER PORTS

1 - Pump casing drain ports, Ø 1/8"
2 - Mechanical seal de-aerating device
3 - Pressure gauge connection ports Ø 1/8"



OPTIONAL BASE PLATE PUMPS ND 65 and 80

Order reference	MOTOR P2 kW	full load current in A 3-ph.230V	3 ph.400V	L mm	H mm	h mm	P mm	P1 mm	PUMP mass kg	ND	D mm	c mm	g mm	holes n x Ø
JRL203-09/0.37	0.37	2	1.15	410	365	70	260	136	36.3	32	140	100	78	4 x 19
JRL203-10/0.55	0.55	2.85	1.65	410	365	70	260	136	38.3	32	140	100	78	4 x 19
JRL203-11/0.75	0.75	3.3	1.91	410	365	70	260	136	43.3	32	140	100	78	4 x 19
JRL203-13/1.1	1.1	4.6	2.7	410	401	70	260	136	43.3	32	140	100	78	4 x 19
JRL203-16/1.1	1.1	4.6	2.7	410	401	70	260	136	43.3	32	140	100	78	4 x 19
JRL204-09/0.37	0.37	2	1.15	349.5	369	75	250	135	36	40	150	110	88	4 x 19
JRL204-11/0.55	0.55	2.85	1.65	349.5	369	75	250	135	36	40	150	110	88	4 x 19
JRL204-12/1.5	1.5	6	3.5	456	399.5	75	320	167	49.5	40	150	110	88	4 x 19
JRL204-13/2.2	2.2	8.5	4.9	456	427.5	75	320	167	62.5	40	150	110	88	4 x 19
JRL204-15/3	3	10.6	6.1	456	450.5	75	320	167	68.5	40	150	110	88	4 x 19
JRL204-16/4	4	-	7.5	456	494	75	320	167	80.5	40	150	110	88	4 x 19
JRL205-11/0.75	0.75	3.3	1.91	390	383	83	280	155	37.1	50	165	125	102	4 x 19
JRL205-12/1.5	1.5	6	3.5	500	435.5	86	340	190	64.3	50	165	125	102	4 x 19
JRL205-13/2.2	2.2	8.5	4.9	500	435.5	86	340	190	64.3	50	165	125	102	4 x 19
JRL205-14/3	3	10.6	6.1	500	464	86	340	190	70.3	50	165	125	102	4 x 19
JRL205-15/4	4	-	7.5	500	507.5	86	340	190	82.3	50	165	125	102	4 x 19
JRL206-12/1.5	1.5	6	3.5	431.5	453.5	93	340	185	30	65	185	145	122	4 x 19
JRL206-12/2.2	2.2	8.5	4.9	550	448.5	93	340	185	71.8	65	185	145	122	4 x 19
JRL206-13/3	3	10.6	6.1	550	477	93	340	185	77.8	65	185	145	122	4 x 19
JRL206-14/4	4	-	7.5	550	520.5	93	340	185	89.8	65	185	145	122	4 x 19
JRL208-12/2.2	2.2	8.5	4.9	479.5	478	100	360	205	74	80	200	160	138	8 x 19
JRL208-13/3	3	10.6	6.1	601	493	103	360	192	81	80	200	160	138	8 x 19
JRL208-14/4	4	-	7.5	601	536.5	103	360	192	93	80	200	160	138	8 x 19
JRL403-11/0.25	0.25	1.2	0.7	410	365	70	260	136	34.3	32	140	100	78	4 x 19
JRL403-16/0.25	0.25	1.2	0.7	410	365	70	260	136	34.3	32	140	100	78	4 x 19
JRL404-13/0.25	0.25	1.2	0.7	456	363.5	75	320	167	40.5	40	150	110	88	4 x 19
JRL404-15/0.37	0.37	2	1.15	456	363.5	75	320	167	42.5	40	150	110	88	4 x 19
JRL405-11/0.25	0.25	1.2	0.7	390	383	83	280	155	36.1	50	165	125	102	4 x 19
JRL405-13/0.37	0.37	2	1.15	500	377	86	340	190	44.3	50	165	125	102	4 x 19
JRL405-15/0.55	0.55	2.85	1.65	500	413	86	340	190	51.3	50	165	125	102	4 x 19
JRL406-12/0.25	0.25	1.2	0.7	550	390	93	340	185	49.8	65	185	145	122	4 x 19
JRL406-13/0.37	0.37	2	1.15	550	390	93	340	185	51.8	65	185	145	122	4 x 19
JRL406-14/0.55	0.55	2.85	1.65	550	426	93	340	185	62	65	185	145	122	4 x 19
JRL406-15/0.75	0.75	3.3	1.91	550	426	93	340	185	62	65	185	145	122	4 x 19
JRL408-13/0.75	0.75	3.3	1.91	601	442	103	360	192	62	80	200	160	138	8 x 19
JRL408-15/1.1	1.1	4.6	2.7	601	442	103	360	192	62	80	200	160	138	8 x 19

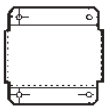
LRL-JRL

LRL-JRL OPTIONS

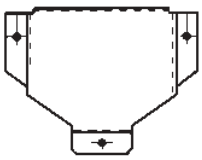
pump base plate*

* Allow mounting and attachment of LRL or JRL models with ND 65 or 80 on concrete base.

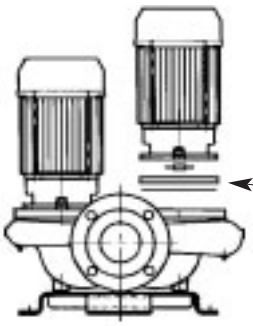
LRL



JRL



JRL: blank cover* with o-ring



* Seals the port left by the withdrawal of the pump and motor. Allows operation on standby pump during troubleshooting.

cover + gasket

Replacement of moving assembly (motor, impeller, lantern): CONTACT US

Pump	Pump base plate		Blank cover for JRL	
models	LRL	JRL	Order reference	Item reference
203 - 16			COUV 160	30 908 178 F
204 - 12			COUV 120	30 925 165 P
204 - 16			COUV 160	30 908 178 F
205 - 12			COUV 120	30 925 165 P
205 - 16			COUV 160	30 908 178 F
206 - 12	30 925 701 Y	30 925 702 G	COUV 121	30 925 166 Y
206 - 16	30 925 700 P	30 925 702 G	COUV 160	30 908 178 F
208 - 12	30 925 700 P	30 925 702 G	COUV 121	30 925 166 Y
208 - 16	30 925 700 P	30 925 702 G	COUV 160	30 925 178 F
403 - 16 et 404 - 16			COUV 160	30 908 178 F
405 - 12			COUV 120	30 925 165 P
405 - 16			COUV 160	30 908 178 F
406 - 16 et 408 - 16	30 925 700 P	30 925 702 G	COUV 160	30 908 178 F

The pump families are indicated on the curves.

FEATURES (LRL-JRL)

a) Electrical data

3-PHASE 230 - 400 V - 50 Hz motor ≤3kW.
3-PHASE 400 V Δ - 50 Hz motor = 4kW.
Motor protection: circuit breaker for LRL and MGP control box for JRL.

b) Installation

Direct mounting on horizontal or vertical pipe.
Connection to the installation: PN10 round counter-flanges to be welded (not supplied).

OPTIONAL

Pump base plate mounted on concrete block for ND 65 and 80 models (contact us for all other types).

c) Packaging

Pumps supplied with gaskets and bolts, no counter-flanges (optional).

d) Maintenance

Full standard replacement or repair of the pump. See recommended spare parts (•) subject to wear.

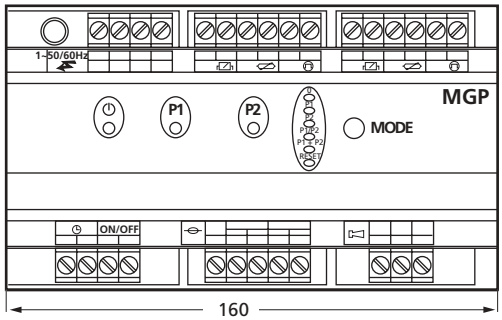
RECOMMENDED ACCESSORIES

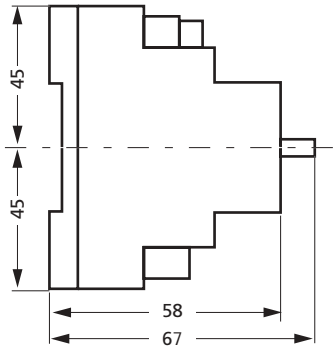
- Motor safety circuit breaker (LRL).
- Control and protection box for motors (JRL).
- Blank off cover (JRL).
- Pressure gauge kit.
- Round counter-flanges (to be welded) PN10.
- Isolating valves.

MGP CONTROL BOX FOR JRL

- Motor control and thermal overload protection.
- Operating reliability: standby pump starts automatically when active pumps fails.

For further technical information, see the MGP control box data sheet.





Salmson
53 bd de la République - Espace Lumière - Bât. 6 - 78403 Chatou Cedex FRANCE
Tel: +33 (0)1 30 09 82 39 - Fax: +33 (0)1 30 09 82 34 - www.salmson.com