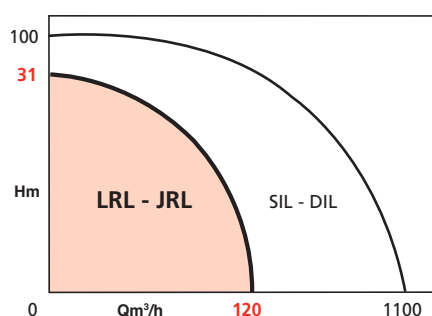


CAMPO DI IMPIEGO

Portata fino a:	120 m³/h
Prevalenza fino a:	31 mc.a.
Pressione max d'esercizio:	10 bar
Temperatura d'esercizio:	da -20 a + 110°C
DN attacchi:	da 25 a 80



VANTAGGI

- ✓ Montaggio diretto su tubazioni orizzontali e verticali.
- ✓ Degasamento della tenuta meccanica automatico
- ✓ Installazione e Manutenzione semplice e rapida.

JRL - Versione gemellare

- ✓ Disponibilità permanente di un motore di riserva
- ✓ Funzionamento alternato e in parallelo possibile



APPLICAZIONI

Per impianti domestici e collettivi :

- ✓ Riscaldamento.
- ✓ Condizionamento.
- ✓ Ricircolo acqua calda sanitaria

Applicazioni per l'industria e l'agricoltura.

- ✓ Riscaldamento di serre.
- ✓ Circolazione di acqua glicolata.
- ✓ Circolazione di acqua refrigerata.



✓ JRL: motori orizzontali



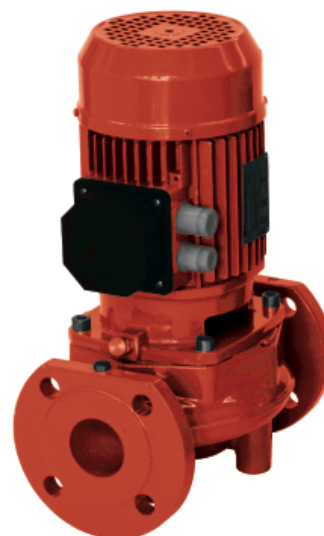
✓ LRL: motore orizzontale



✓ JRL: motori verticali



✓ LRL: motore verticale



LRL - JRL

CONCEZIONE

✓ Parte Idraulica

- ▶ Centrifuga, monocellulare.
- ▶ Corpo pompa con attacchi In-Line flangiati completi di fori presa pressione, o filettati (version LRL-U).
- ▶ Lanterna integrata nel corpo motore
- ▶ Girante equilibrata dinamicamente e montata direttamente sull'albero motore
- ▶ Tenuta idraulica sull'albero con tenuta meccanica.

JRL - versione gemellare

- ▶ Pompa doppia in corpo unico.
- ▶ Separazione idraulica delle due pompe con clapet a funzionamento silenzioso.

✓ Motore

- ▶ A rotore ventilato e albero allungato.
- ▶ Cuscinetti guida dell'albero rinforzati per un funzionamento più silenzioso

Velocità: 1450 - 2900 tr/mn

Avvolgimento tri ≤ 3 kW: 230 V Δ

400 V $\mathbf{Y}$

tri = 4kW: 400 V Δ

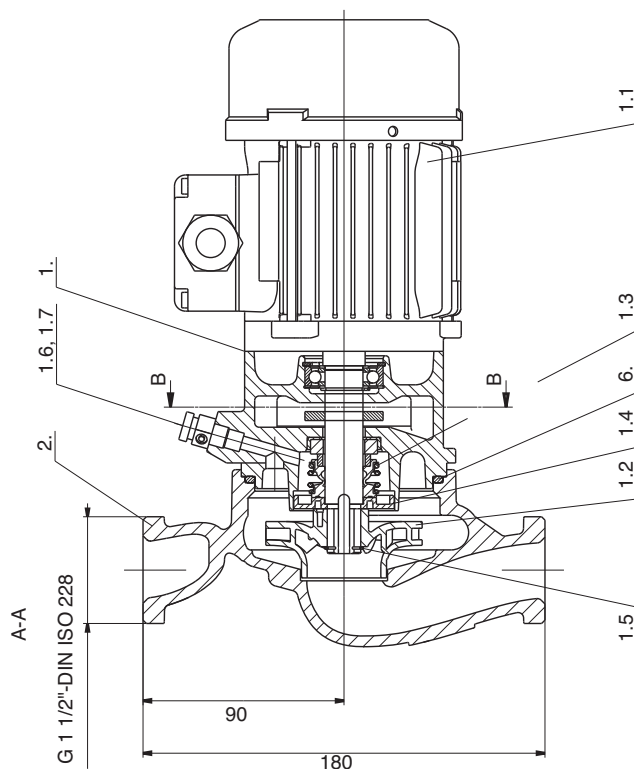
Frequenza: 50 Hz
(optional 60 Hz)

Classe d'isolamento: 155 (F)

Indice di protezione: IP 55

Conformità CE: EN 809

LRL-U - SEZIONE DI PRINCIPIO

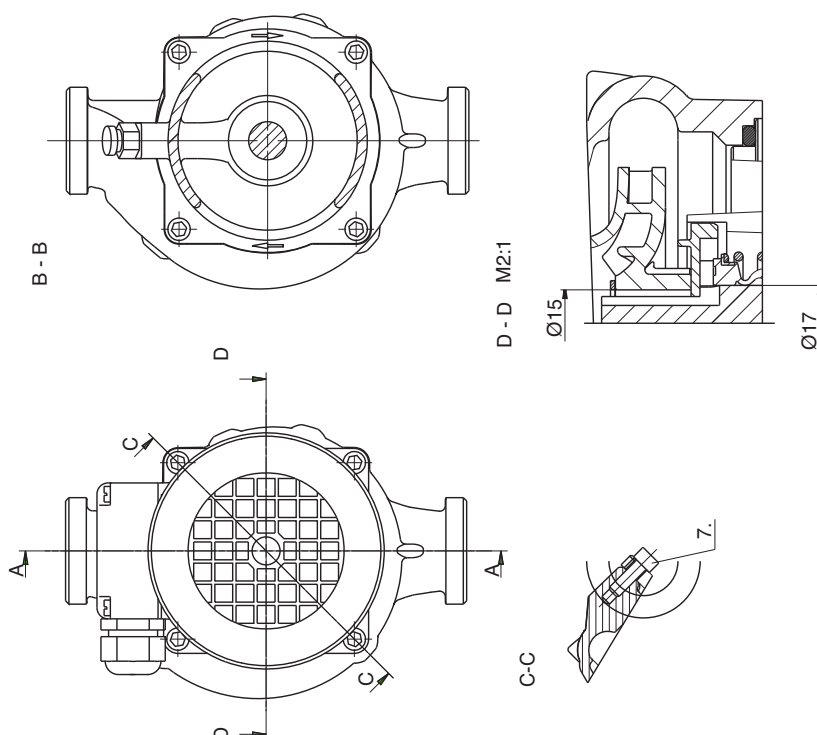


COSTRUZIONE DI BASE

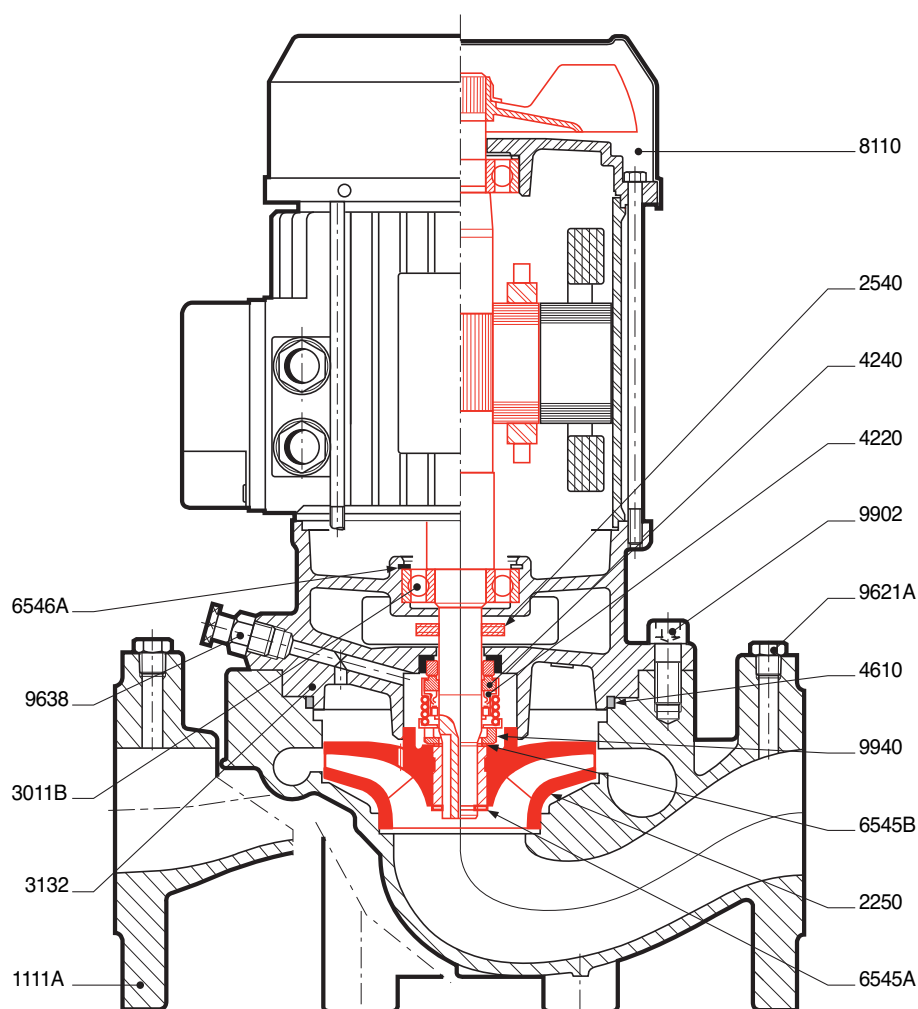
Parti principali	Materiale
Corpo pompa	Ghisa EN GJL 250
Lanterna	Ghisa EN GJL 250
Albero motore	Acciaio X20 - Cr13
Tenuta meccanica	Grafite/Carburo Si/EP
Guarnizioni	Etilene-Propilene
Girante	Composito

IDENTIFICAZIONE SIGLA

LRL 2 03 U - 13/1.1 - P2
JRL 4
pompa
singola/gemellare
2 = 2 poli : 2900 giri/min
4 = 4 poli : 1450 giri/min
Ø nominale attacchi (cm)
Attacchi filettati
Ø nominale girante (cm)
Potenza motore P2 (kW)
Option : version ACS (nous consulter)



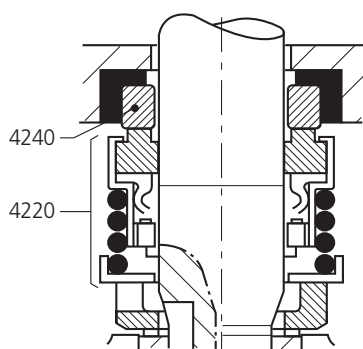
LRL - SEZIONE DI PRINCIPIO



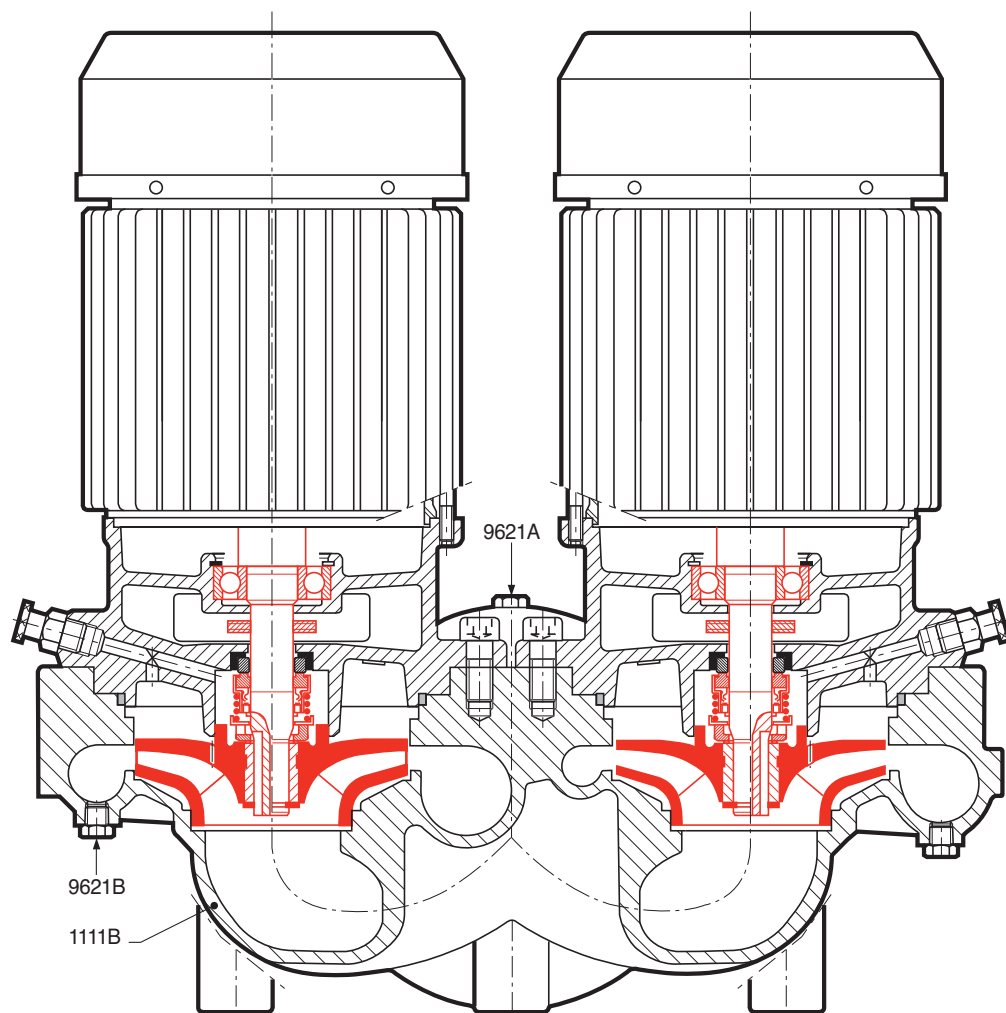
Nomenclatura (comune LRL - JRL)

- ▶ 1111A - Corpo pompa singolo
- ▶ 1111B - Corpo pompa gemellare
- ▶ 2250 - Girante
- ▶ 2540 - Deflettore
- ▶ 3011B - Cuscinetto a sfera di guida
- ▶ 3132H - Lanterna
- ▶ 4220H - Tenuta meccanica (parte rotante)
- ▶ 4240H - Tenuta meccanica (parte fissa)
- ▶ 4610H - Guarnizione corpo pompa
- ▶ 6545A - Circlips fermo sull'albero
- ▶ 6545B - Circlips fermo sull'albero
- ▶ 6546A - Circlips cuscinetto
- ▶ 8110H - Motore elettrico
- ▶ 9621A - Tappo foro presa pressione
- ▶ 9621B - Tappo di riempimento (JRL)
- ▶ 9638 - Degasatore tenuta meccanica
- ▶ 9647H - Clapet in mandata (JRL)
- ▶ 9902H - Vite fissaggio lanterna

Tenuta Meccanica (LRL-JRL)



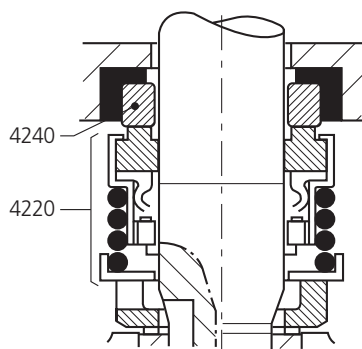
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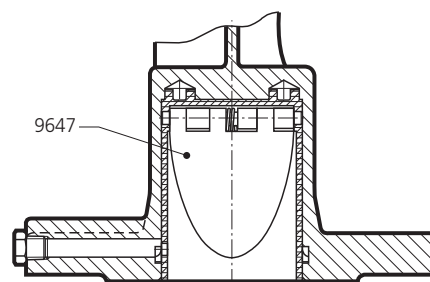
Nomenclatura (comune LRL - JRL)

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- ▶ 2250 - Girante
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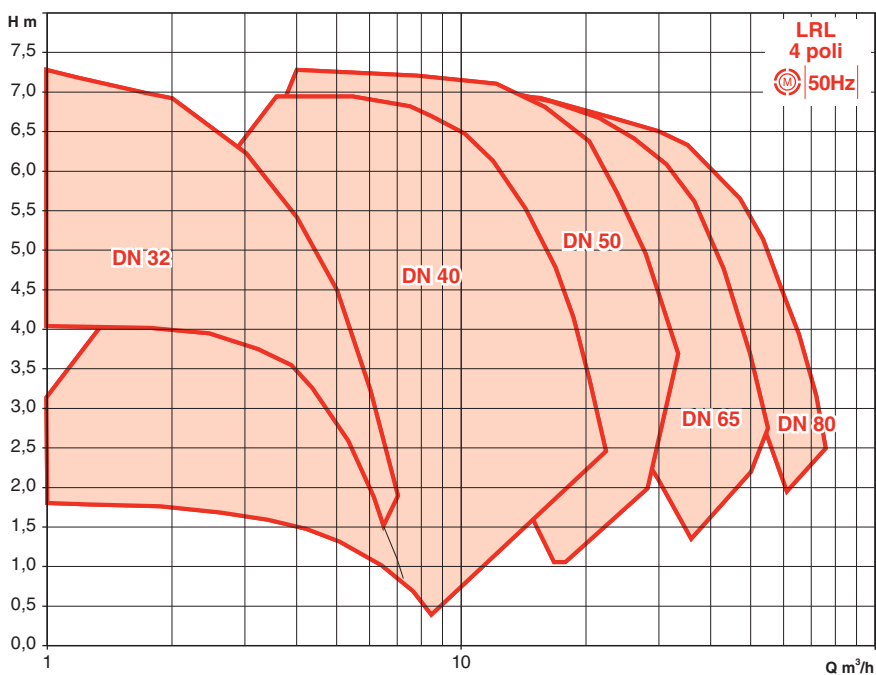
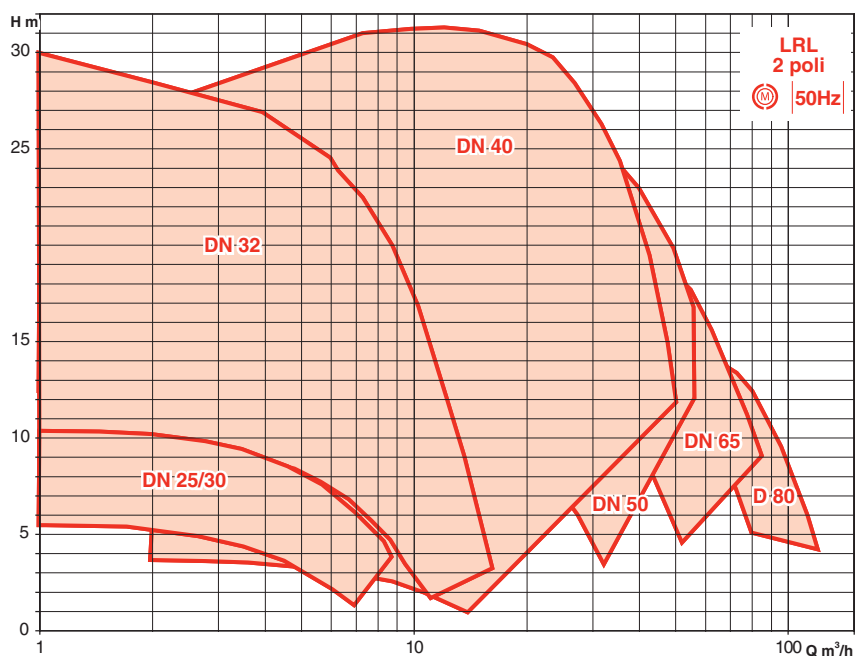
TENUTA MECCANICA
(LRL-JRL)



DETTAGLIO CLAPET (JRL)
in mandata

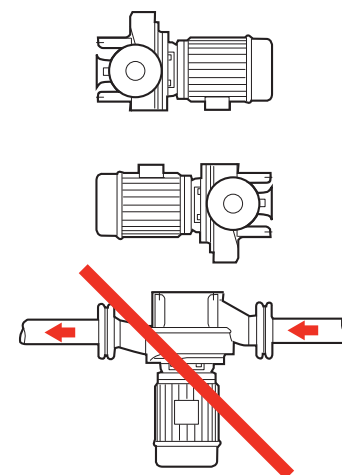
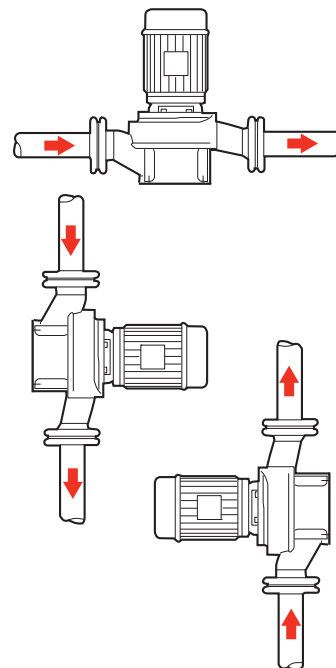


LRL - ABACO GENERALE DI PRESELEZIONE

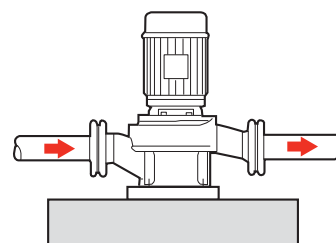


POSIZIONE DI MONTAGGIO

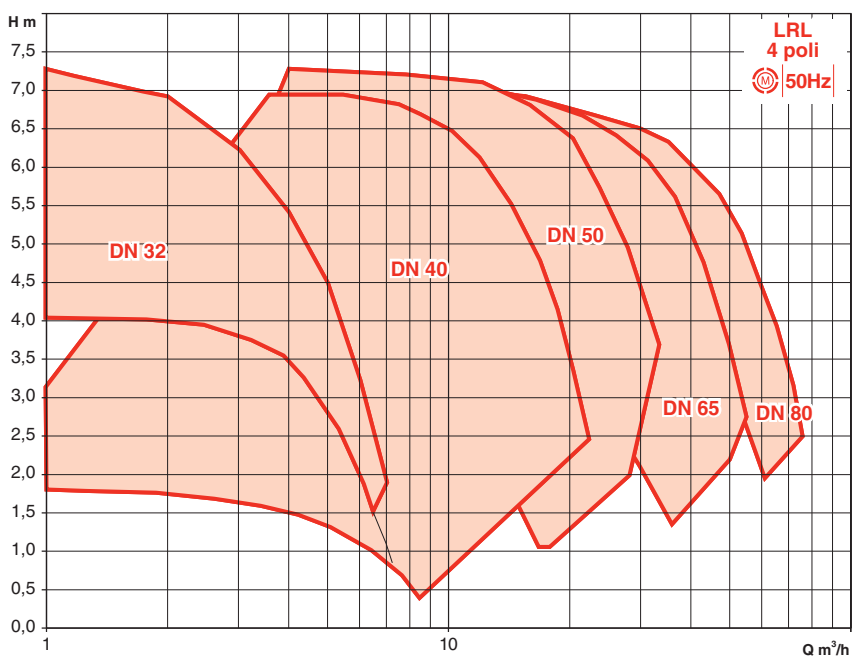
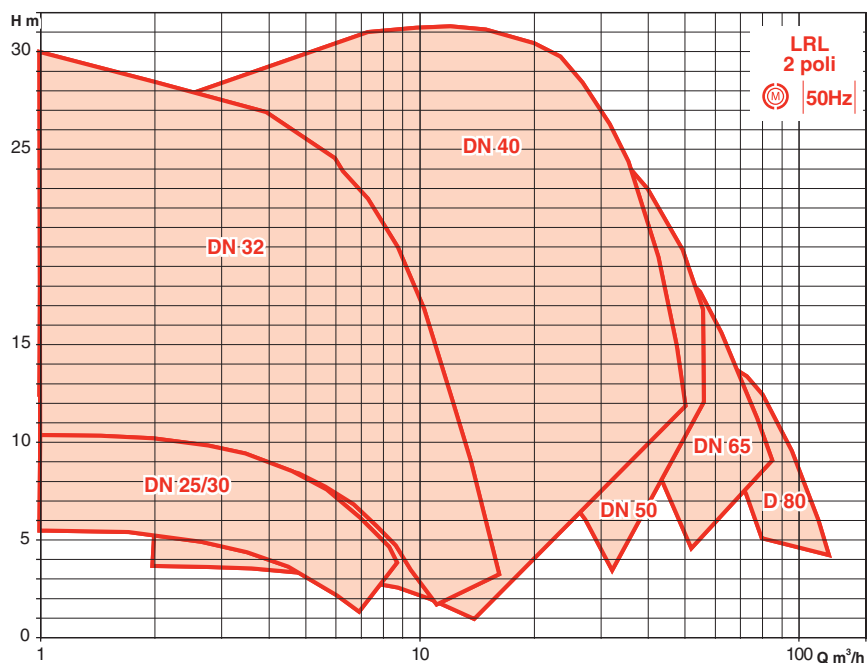
montaggio diretto sulla tubazione
orizzontale o verticale



pompe DN 65 e 80
montaggio su basamento con piedi di
supporto in opzione

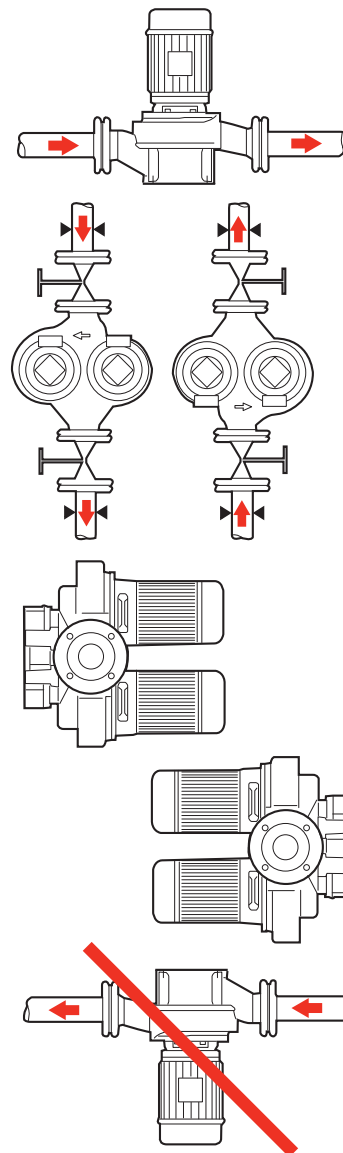


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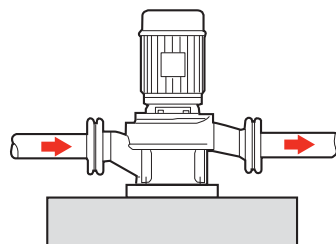


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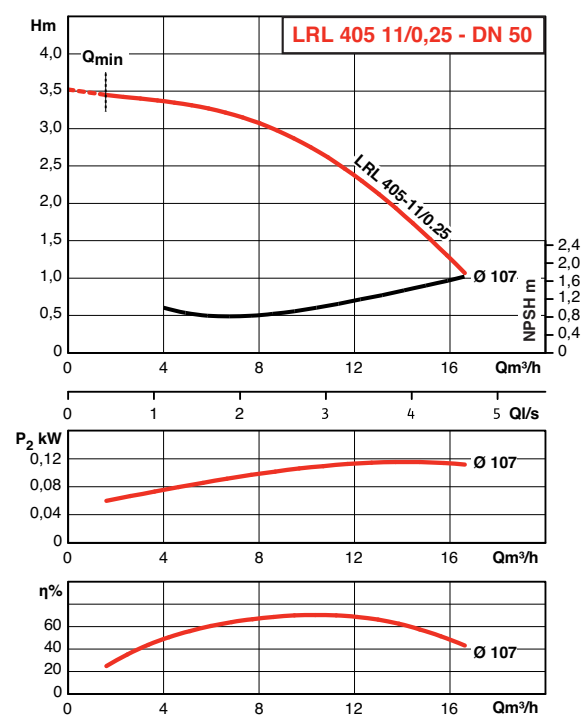
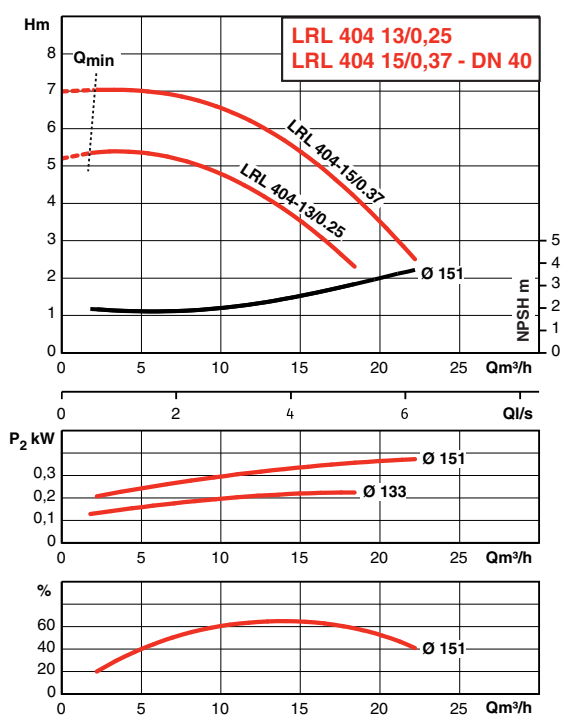
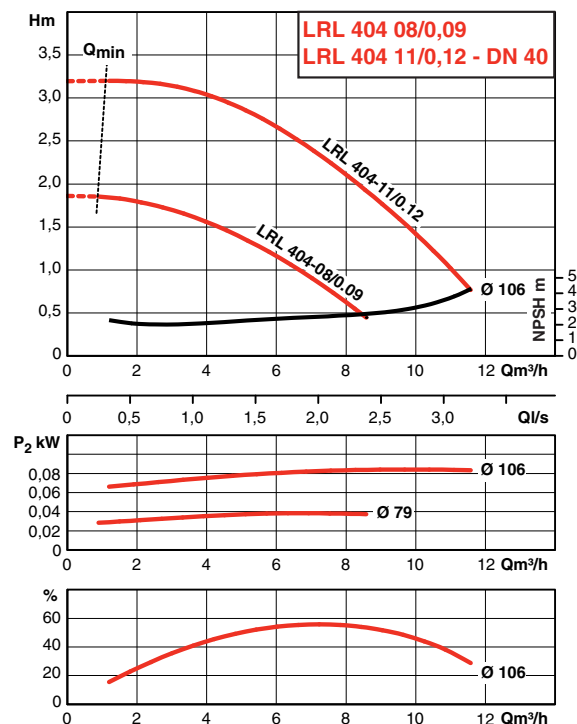
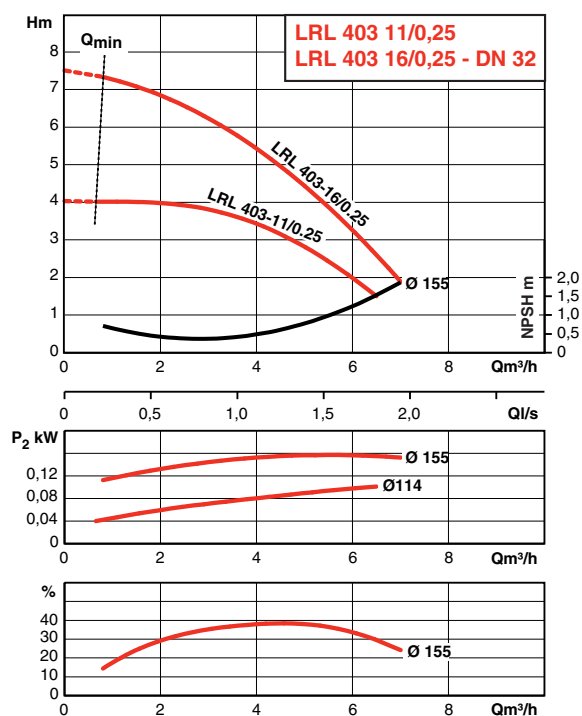
montaggio diretto sulla tubazione
orizzontale o verticale



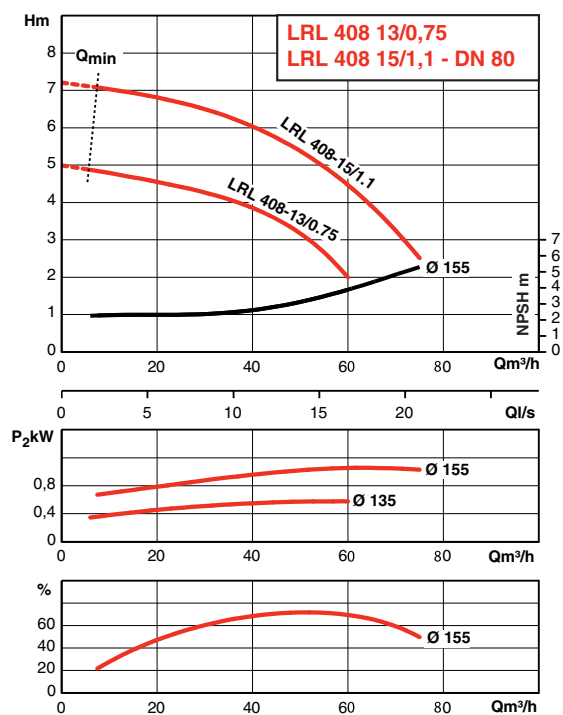
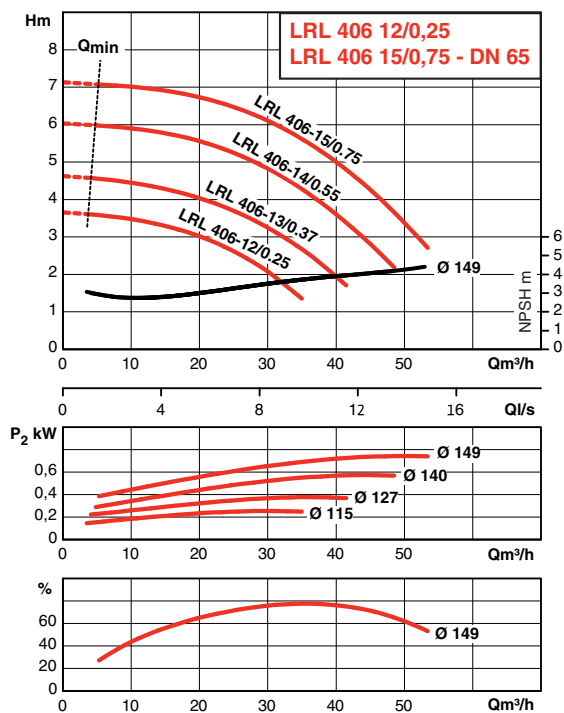
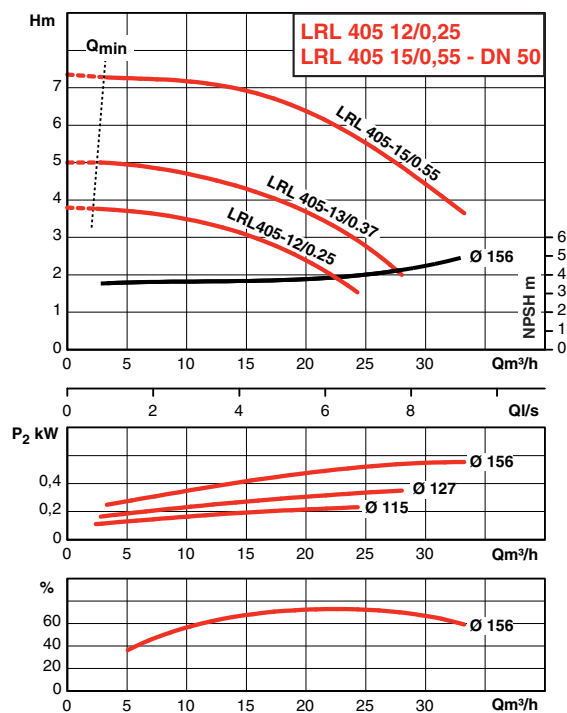
pompe DN 65 e 80
montaggio su basamento con piede di
supporto in opzione



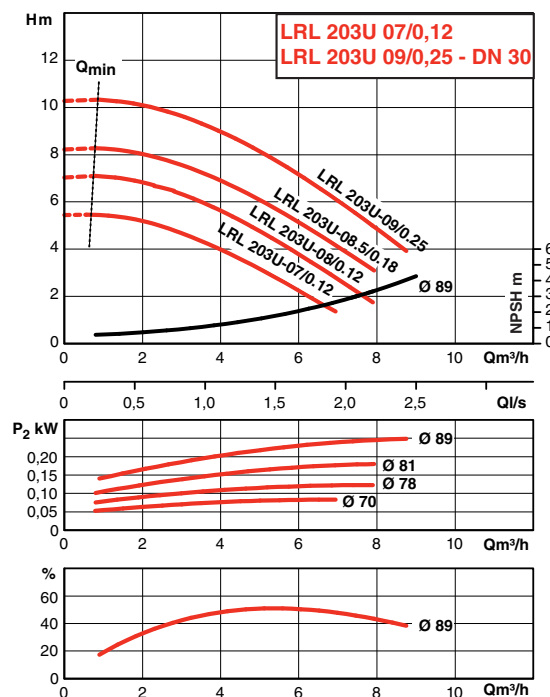
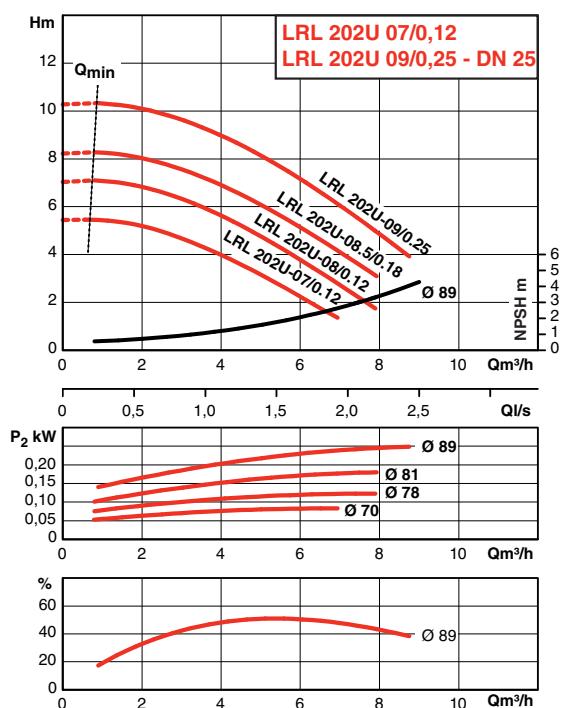
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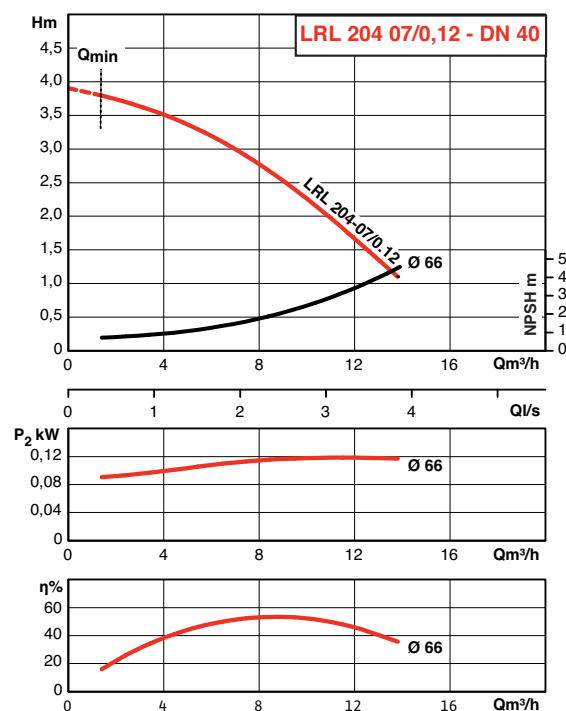
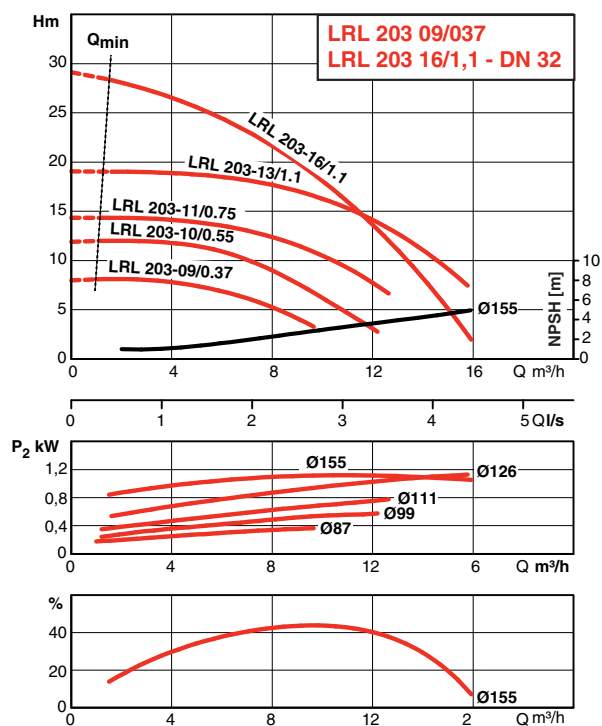
PRESTAZIONI IDRAULICHE LRL 4 POLI



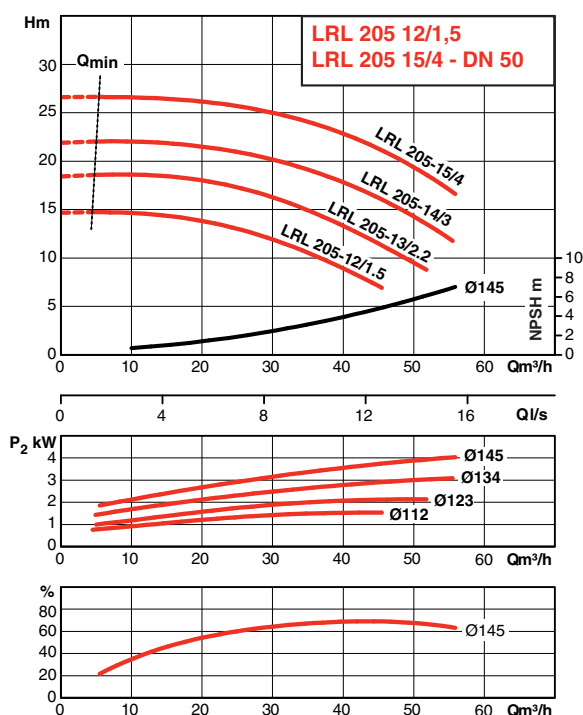
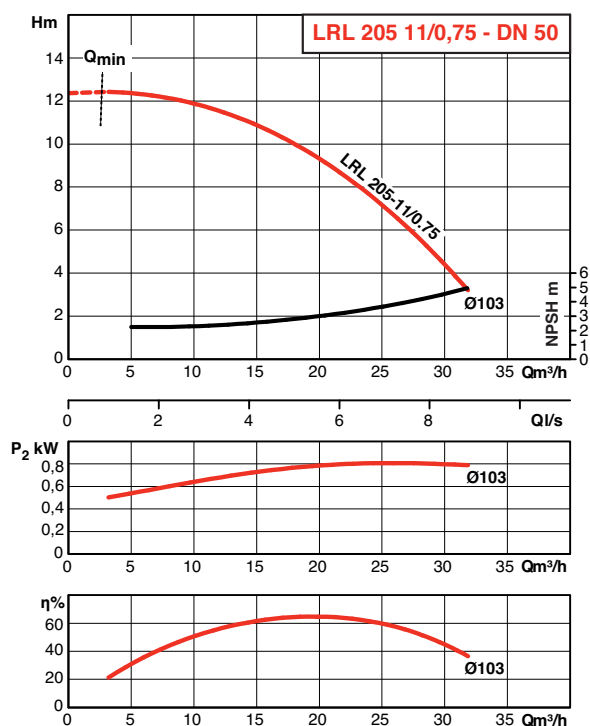
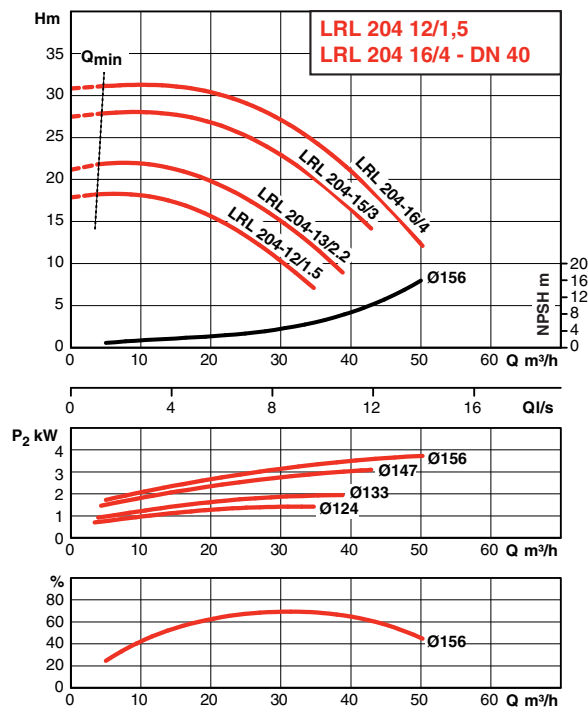
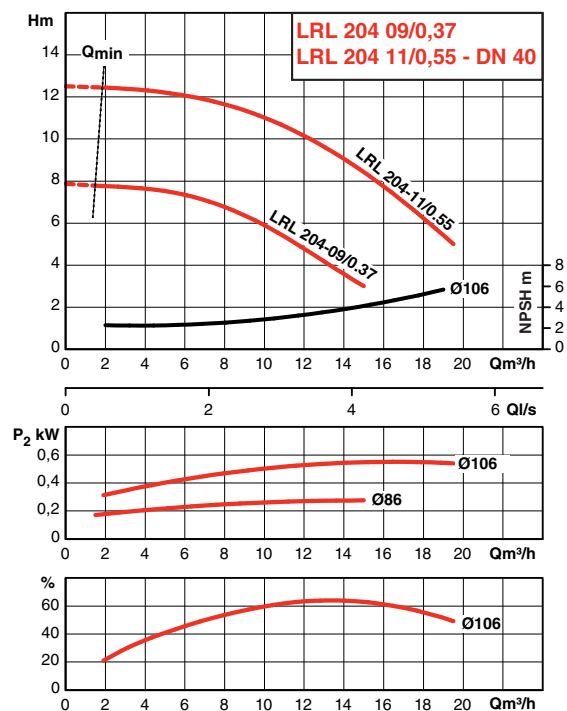
PRESTAZIONI IDRAULICHE LRL-U - 2 POLI



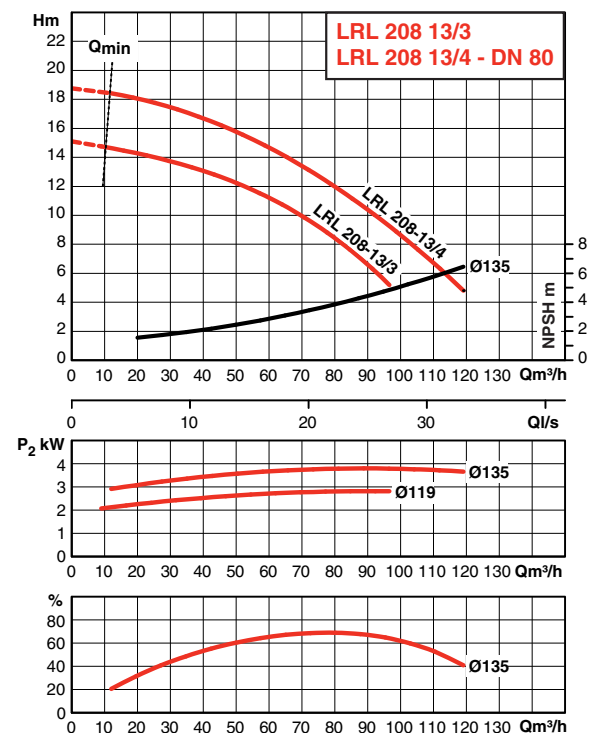
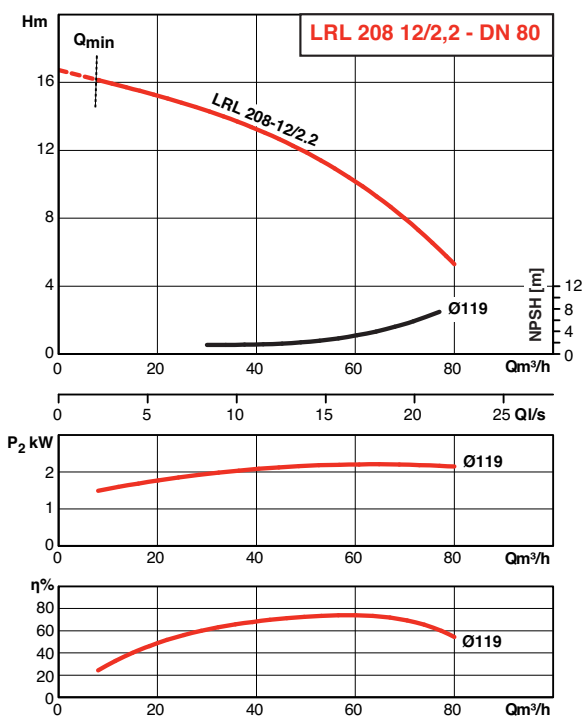
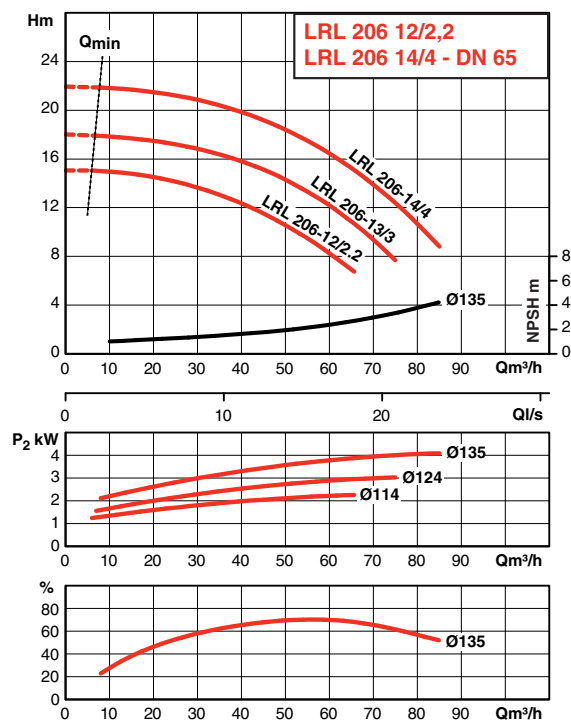
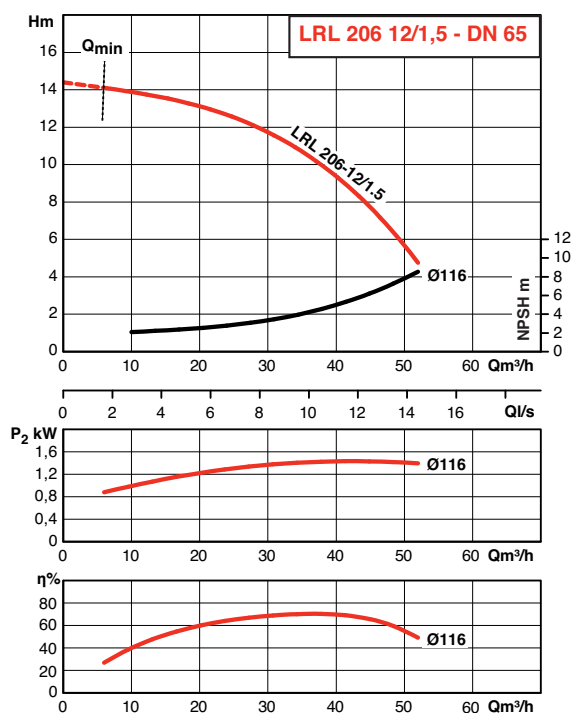
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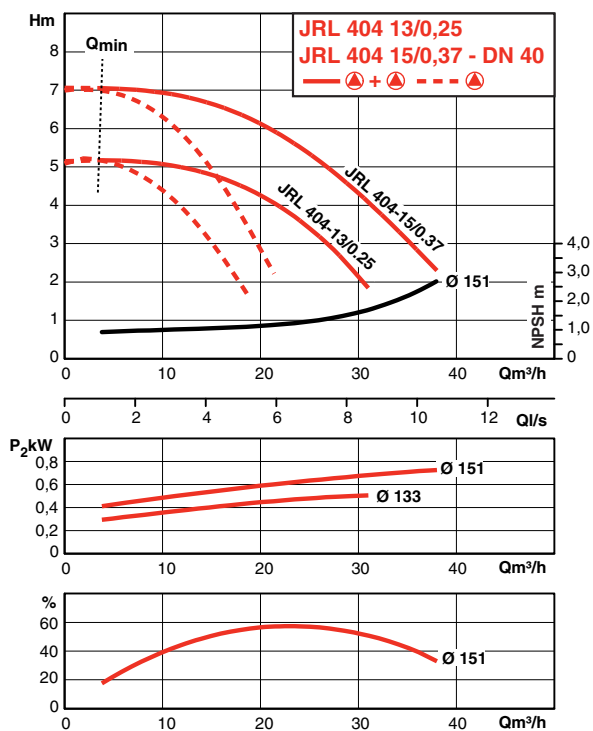
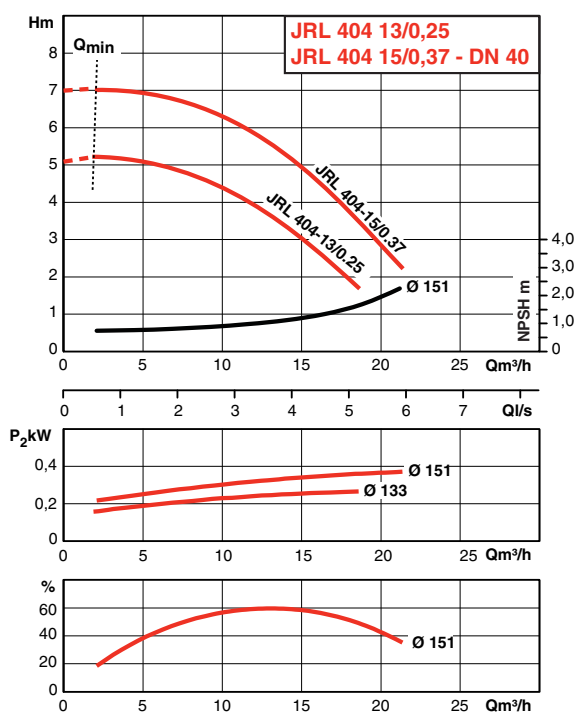
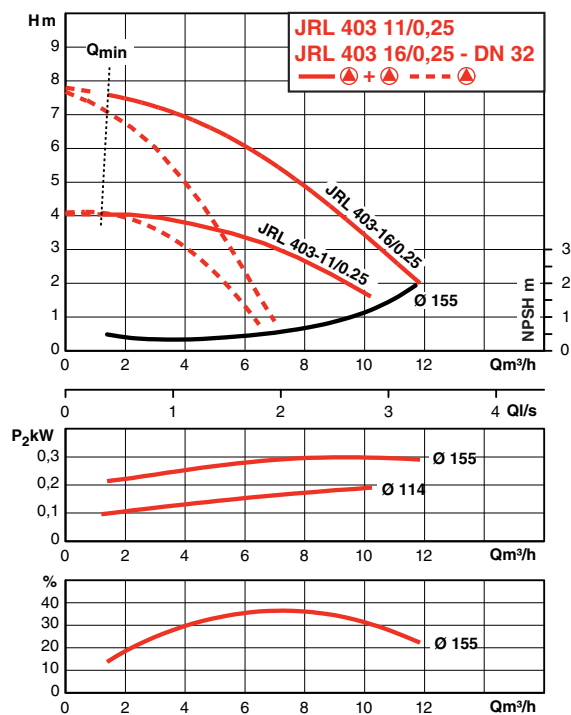
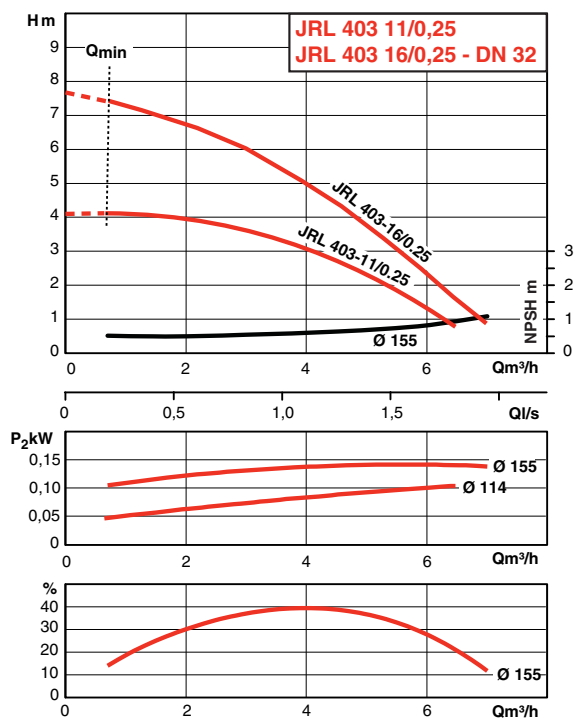
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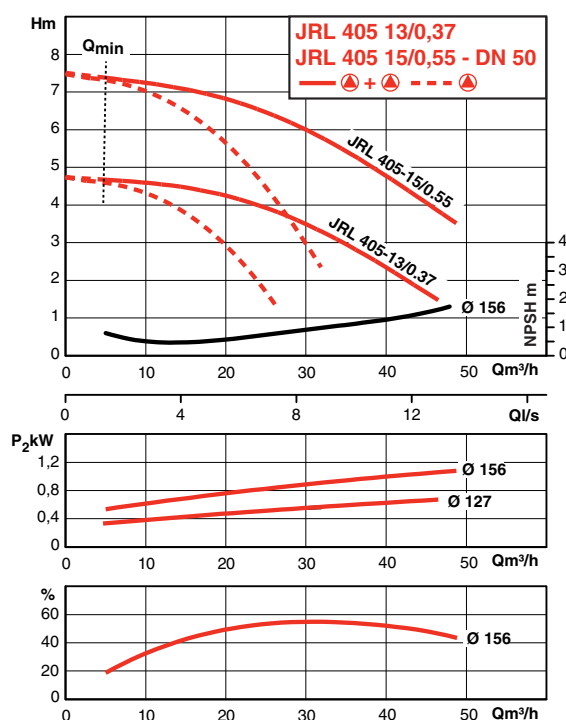
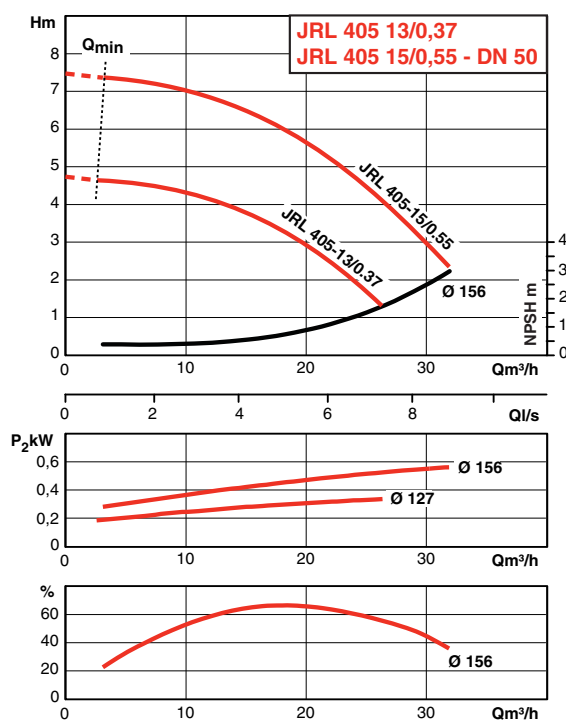
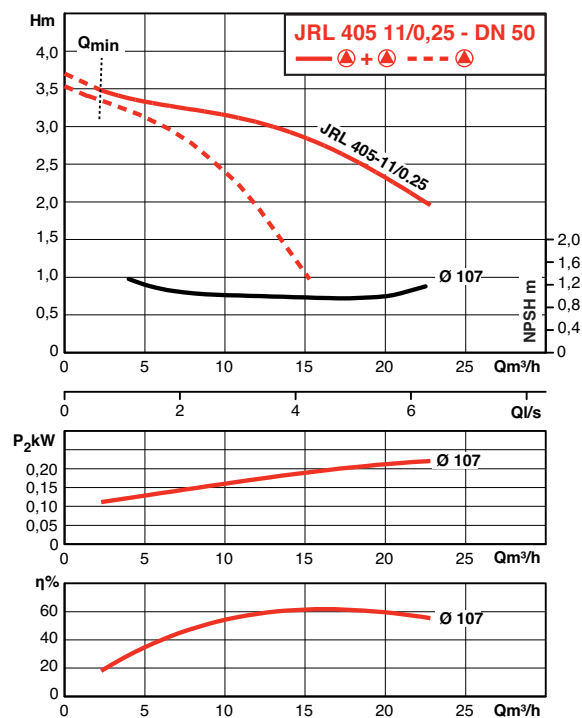
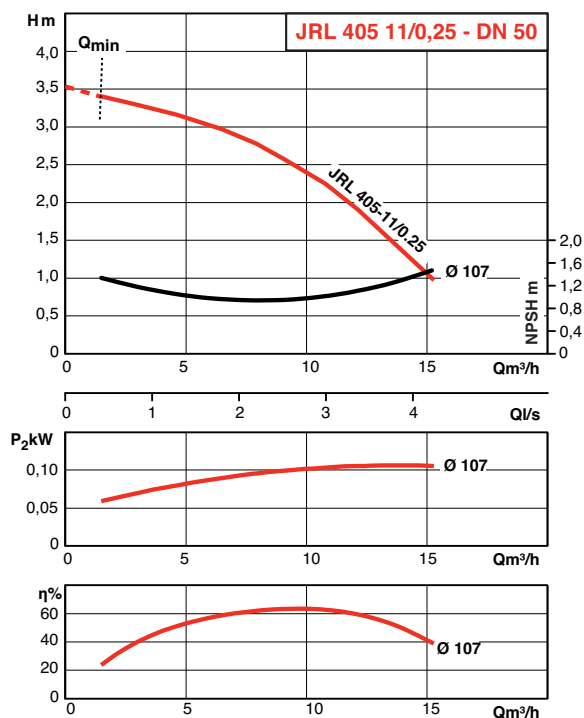
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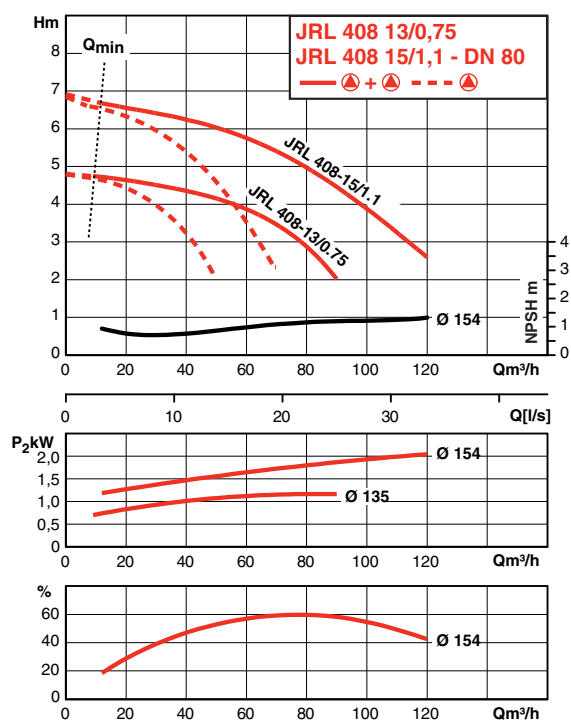
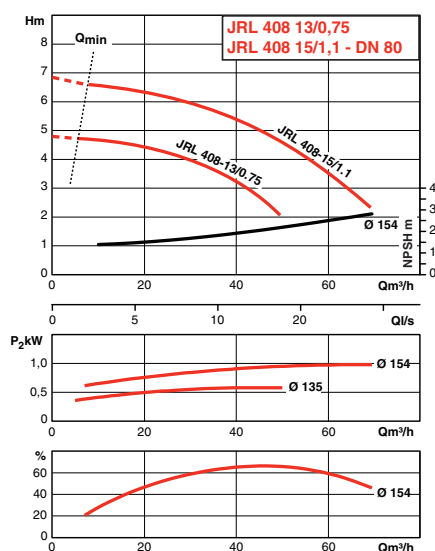
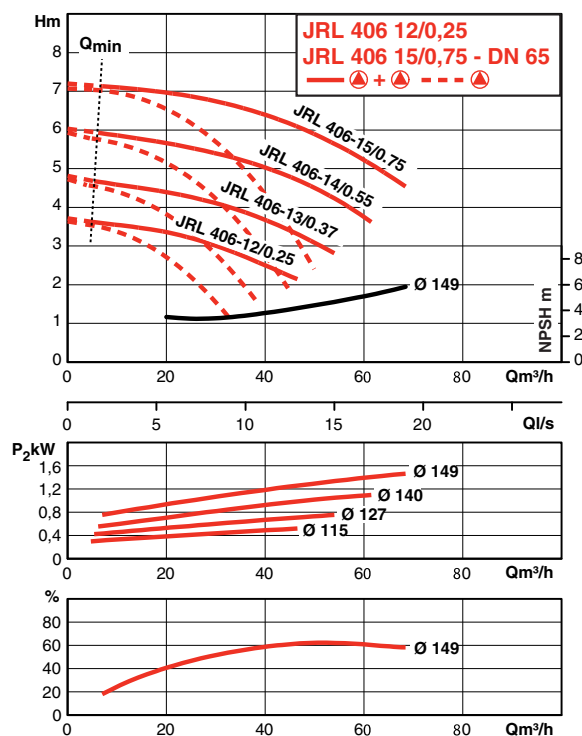
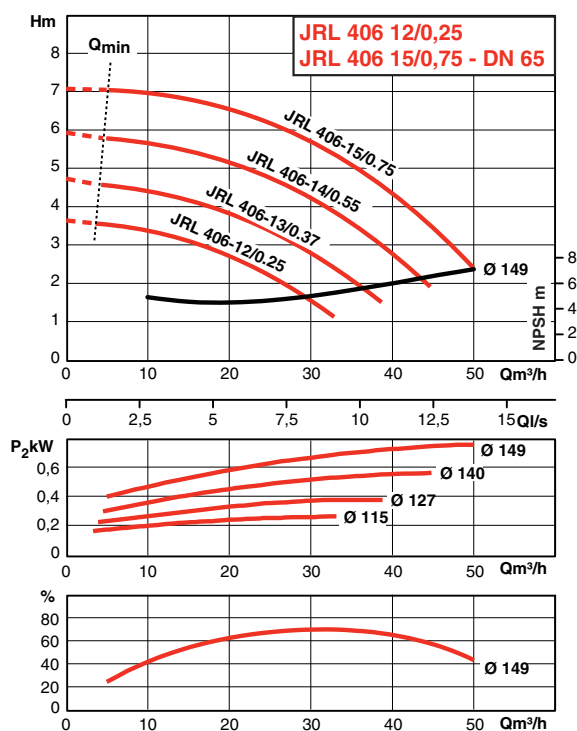
PRESTAZIONI IDRAULICHE JRL - 4 POLI



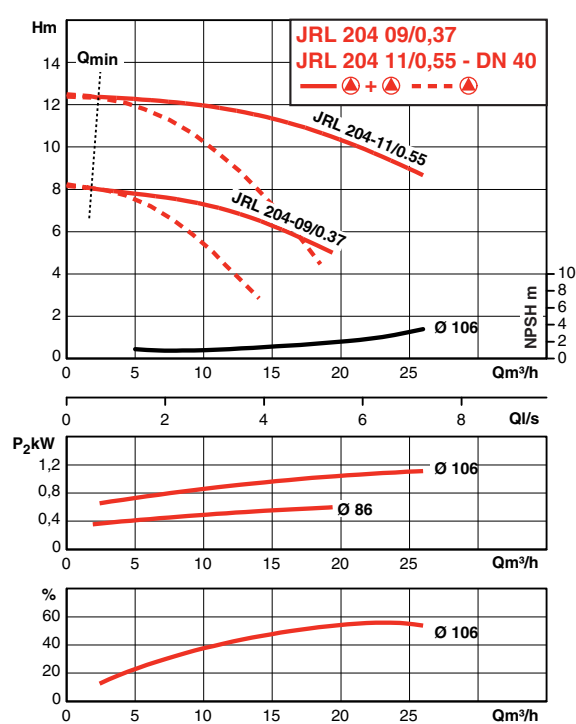
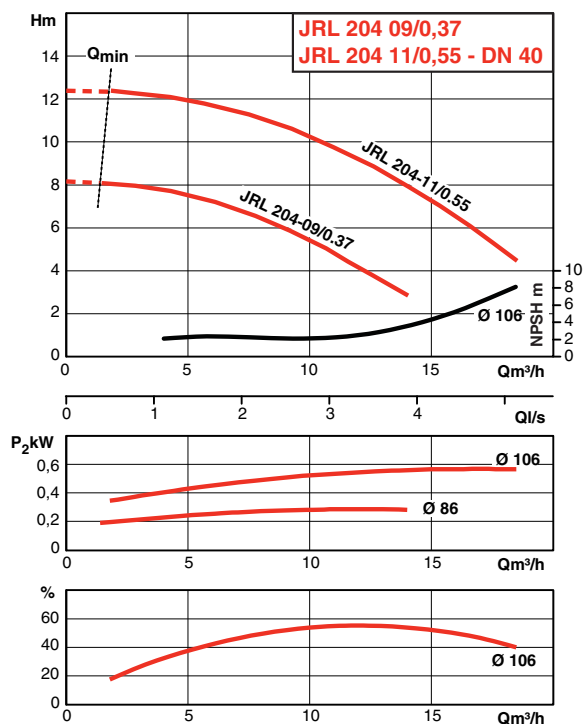
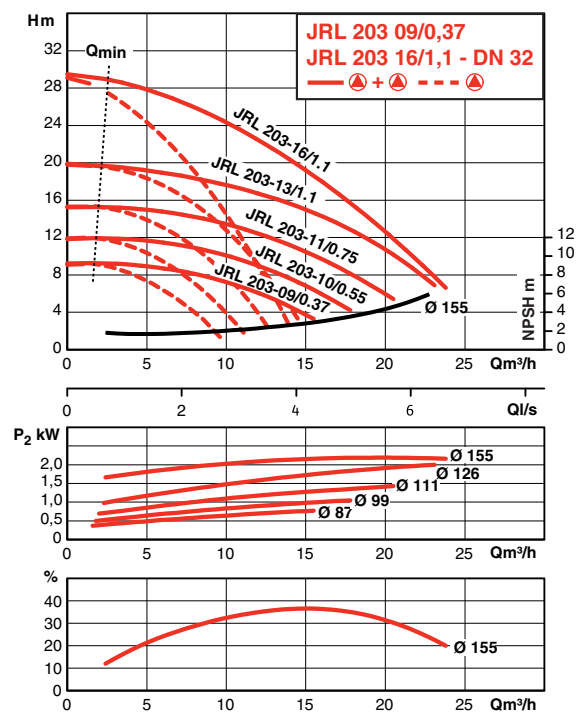
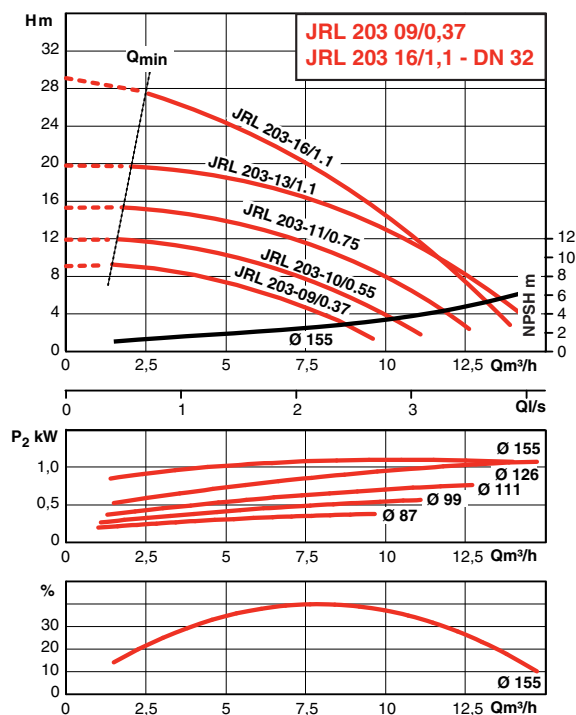
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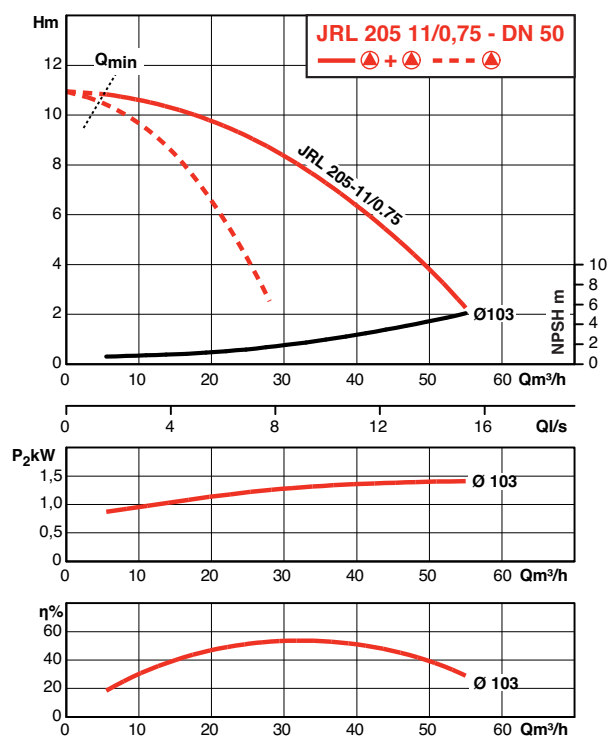
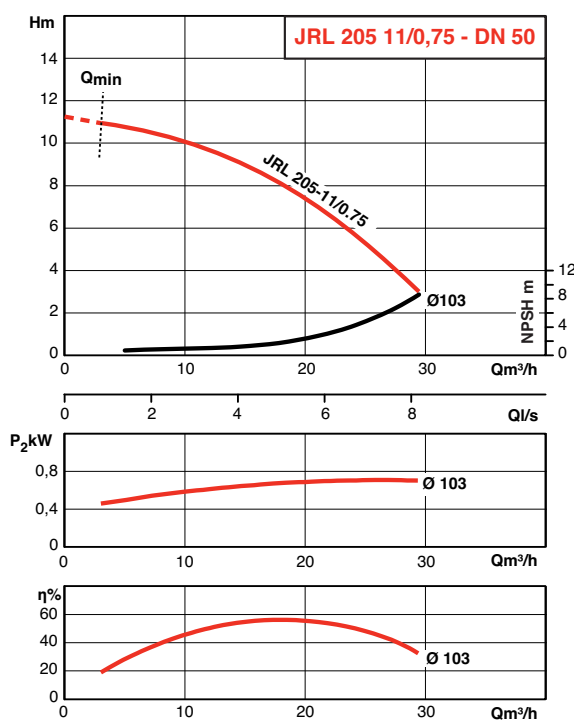
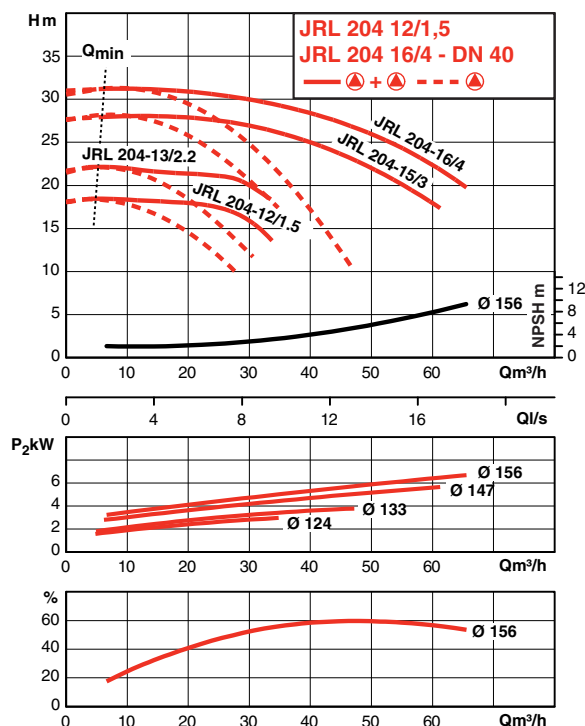
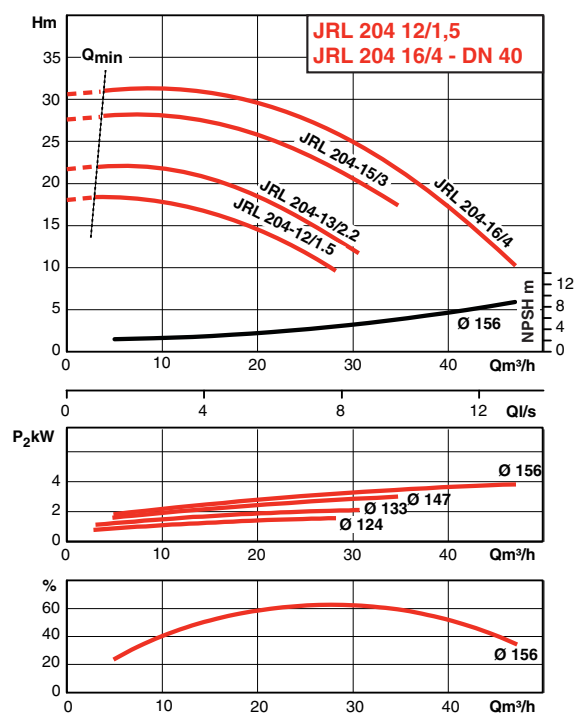
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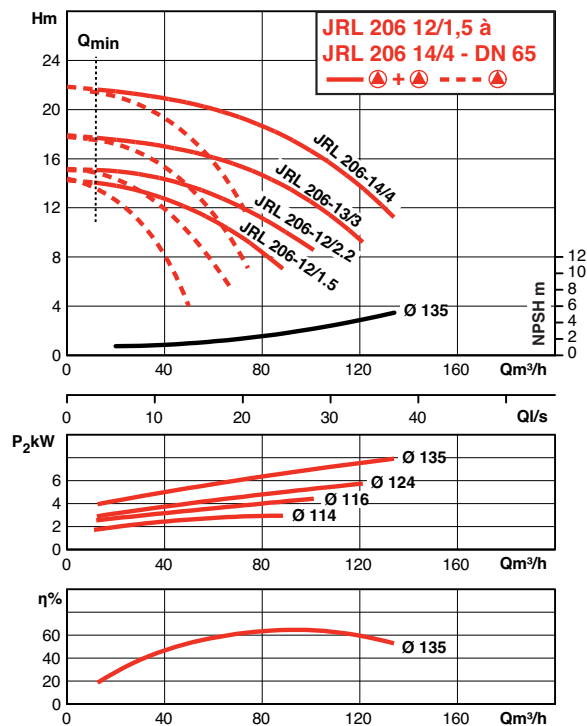
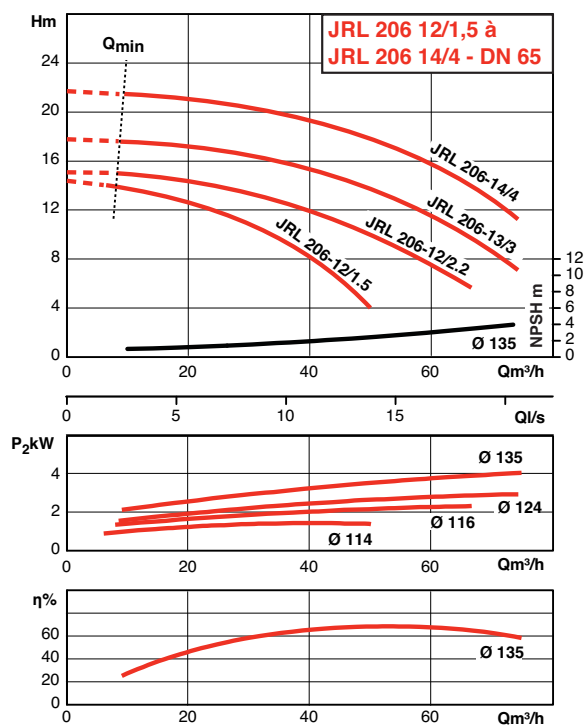
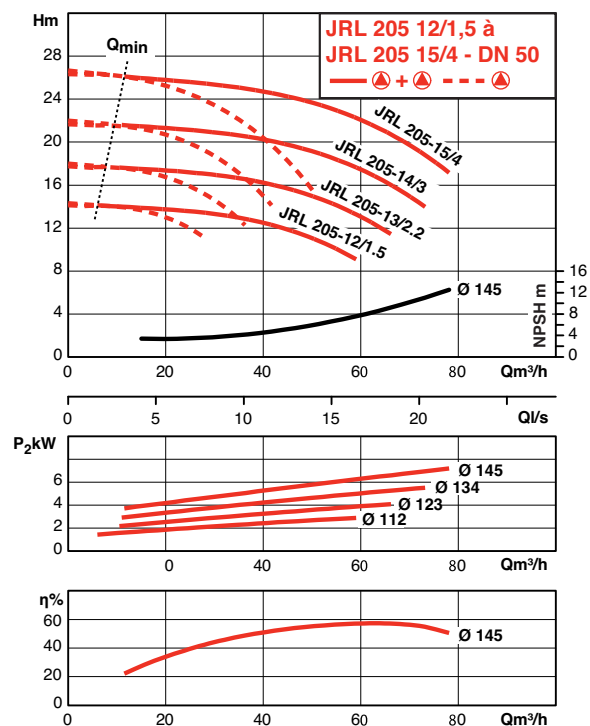
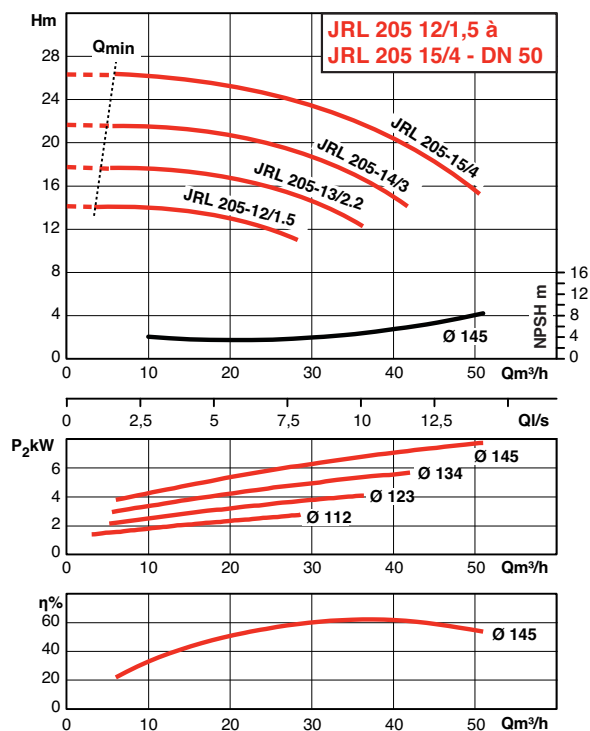
PRESTAZIONI IDRAULICHE JRL - 2 POLI



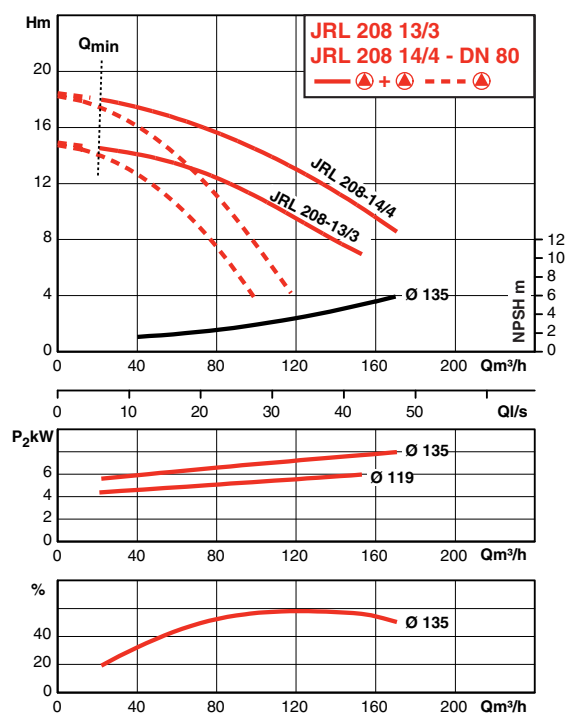
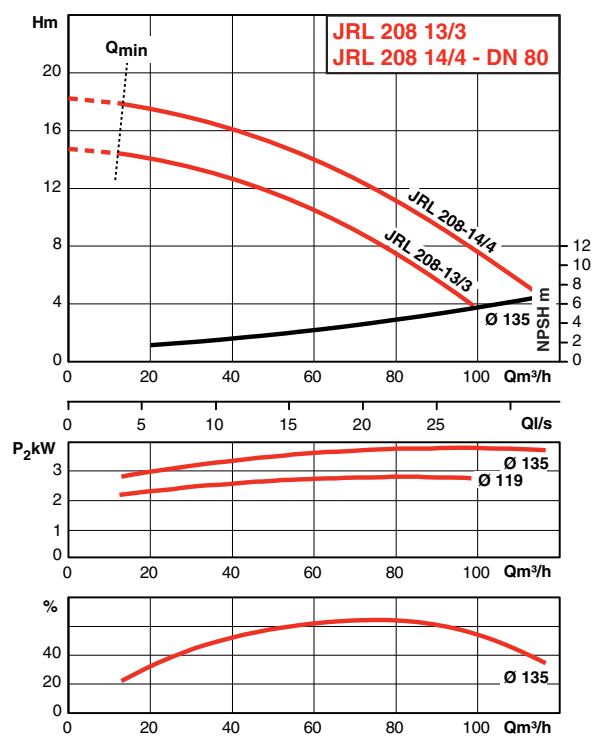
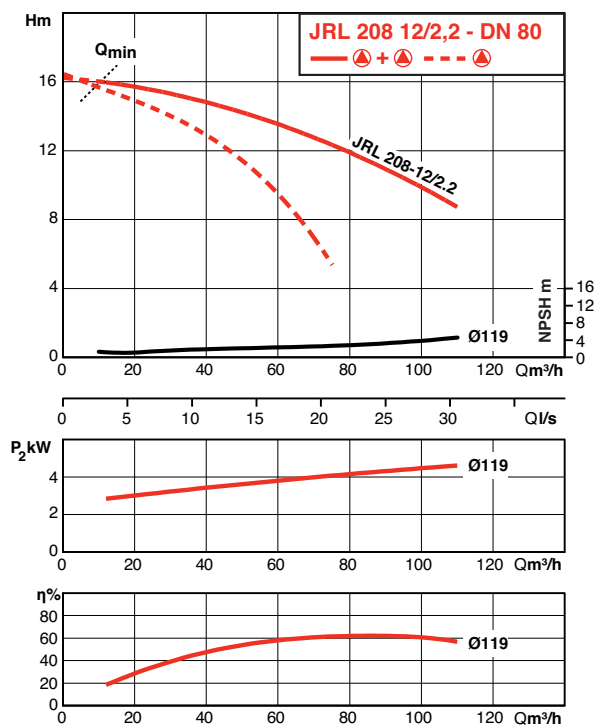
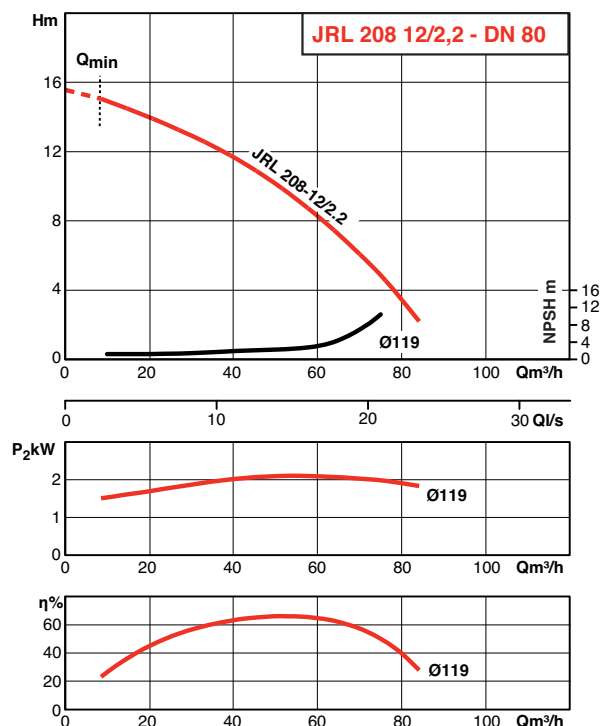
PRESTAZIONI IDRAULICHE JRL - 2 POLI



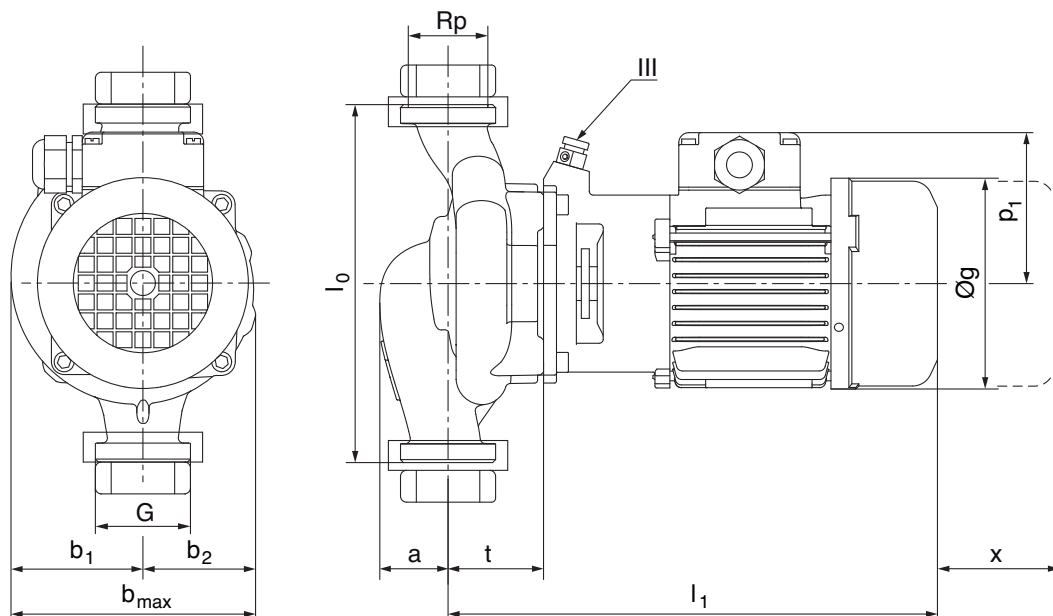
PERFORMANCES HYDRAULIQUES JRL - 2 POLI



PRESTAZIONI IDRAULICHE JRL - 2 POLI



LRL-U : CARATTERISTICHE ELETTRICHE E DIMENSIONALI



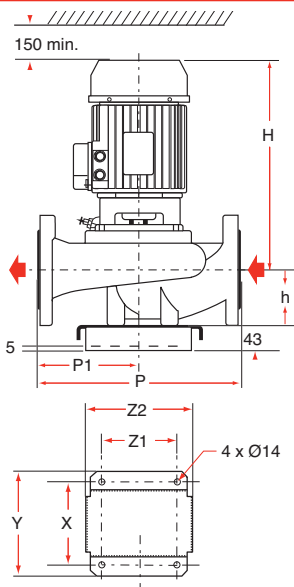
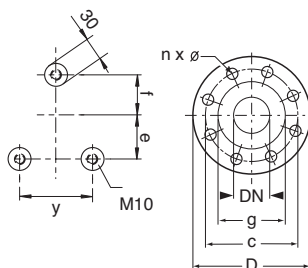
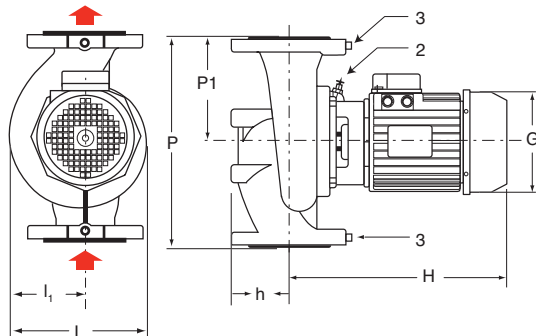
Modello	P2 kW	Intensità 3-400V A	Rendimenti	Cos	G	Rp	l ₀	a	b ₁	b ₂	b _{max}	g	l ₁	p ₁	t	x	Peso kg
LRL202U-07/0.12	0,12	0.36	64.0	0.75	1" 1/2	1"	180	34	66	57	123	106	247	76	48	100	7.1
LRL202U-08/0.12	0,12	0.36	64.0	0.75	1" 1/2	1"	180	34	66	57	123	106	247	76	48	100	7.1
LRL202U-08.5/0.18	0,18	0.5	67.4	0.72	1" 1/2	1"	180	52	69	68	137	125	251	107	44	100	8.7
LRL202U-09/0.25	0,25	0.6	69.9	0.81	1" 1/2	1"	180	52	69	68	137	125	251	107	44	100	9.4
LRL203U-07/0.12	0,12	0.36	64.0	0.75	2"	1" 1/4	180	34	66	57	123	106	254	76	55	100	7.1
LRL203U-08/0.12	0,12	0.36	64.0	0.75	2"	1" 1/4	180	34	66	57	123	106	254	76	55	100	7.1
LRL203U-08.5/0.18	0,18	0.5	67.4	0.72	2"	1" 1/4	180	52	69	68	137	125	251	107	44	100	8.7
LRL203U-09/0.25	0,25	0.6	69.9	0.81	2"	1" 1/4	180	52	69	68	137	125	251	107	44	100	9.4

* Verificare la targhetta del motore elettrico per la regolazione della termica di protezione

LRL 2 POLI : CARATTERISTICHE ELETTRICHE E DIMENSIONALI

Attacchi
2 - Degasatore tenuta meccanica
3 - foro presa pressione $\varnothing 1/8''$

Flange aspirazione-mandata PN10
secondo norme EN 1092-2



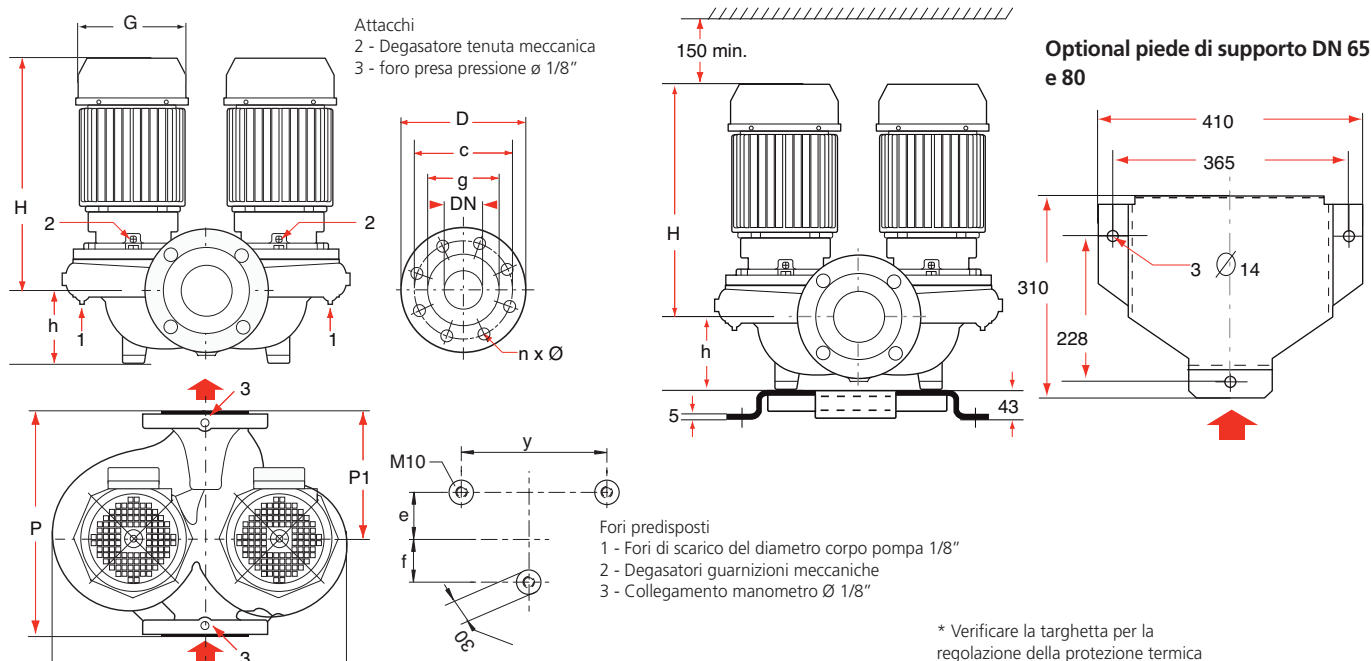
Optional piede di supporto DN 65 e 80

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

* Verificare la targhetta per la
regolazione della protezione termica

Modello	Motore					Pompa														
	P2	Intensità 3-400V	Rendimenti	Cos	L	I ₁	H	h	P	P1	y	e	f	G	Peso	DN	D	g	c	Fori
	kW	A	%		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm	mm	mm	mm	n x Ø
LRL203-09/0,37	0,37	0,91	72.8	0.78	207	106	321	70	260	130	90	40	50	141.2	20.5	32	140	78	100	4 x 19
LRL203-10/0,55	0,55	1.33	75.5	0.76	207	106	321	70	260	130	90	40	50	141.2	21.5	32	140	78	100	4 x 19
LRL203-11/0,75	0,75	1.7	77.4	0.8	207	106	341	70	260	130	90	40	50	185	25.5	32	140	78	100	4 x 19
LRL203-13/1,1	1,1	2.4	79.6	0.82	207	106	341	70	260	130	90	40	50	185	26.1	32	140	78	100	4 x 19
LRL203-16/1,1	1,1	2.4	79.6	0.82	207	106	341	70	260	130	90	40	50	185	26.1	32	140	78	100	4 x 19
LRL204-07/0,12	0,12	0.36	64.0	0.75	158,5	83,5	259	65	220	110	90	40	50	106	12.5	40	150	88	110	4 x 19
LRL204-09/0,37	0,37	0.91	72.8	0.78	170	90	320	65	250	125	-	110	110	141.2	19	40	150	88	110	4 x 19
LRL204-11/0,55	0,55	1.33	75.5	0.76	170	90	320	65	250	125	-	110	110	141.2	20.1	40	150	88	110	4 x 19
LRL204-12/1,5	1,5	3.3	81.3	0.77	234	121	373.5	75	320	160	90	40	50	193	29.5	40	150	88	110	4 x 19
LRL204-13/2,2	2,2	4.52	83.2	0.82	234	121	373.5	75	320	160	90	40	50	193	31.5	40	150	88	110	4 x 19
LRL204-15/3	3	5.8	84.6	0.88	234	121	386	75	320	160	90	40	50	217	37.5	40	150	88	110	4 x 19
LRL204-16/4	4	7.7	85.8	0.87	234	121	419.5	75	320	160	90	40	50	232	43.5	40	150	88	110	4 x 19
LRL205-11/0,75	0,75	1.7	77.4	0.8	192	101	346	75	280	140	-	125	125	146	27.2	50	165	102	125	4 x 19
LRL205-12/1,5	1,5	3.3	81.3	0.77	247	131	375.5	86	340	170	104	40	50	193	32.5	50	165	102	125	4 x 19
LRL205-13/2,2	2,2	4.52	83.2	0.82	247	131	375.5	86	340	170	104	40	50	193	34.5	50	165	102	125	4 x 19
LRL205-14/3	3	5.8	84.6	0.88	247	131	388	86	340	170	104	40	50	217	40.5	50	165	102	125	4 x 19
LRL205-15/4	4	7.7	85.8	0.87	247	131	421.5	86	340	170	104	40	50	232	46.5	50	165	102	125	4 x 19
LRL206-12/1,5	1,5	3.3	81.3	0.77	218	118	386.8	85	340	170	-	155	155	193	34.6	65	185	122	145	4 x 19
LRL206-12/2,2	2,2	4.52	83.2	0.82	257	138	381.5	93	340	170	135	40	55	193	37	65	185	122	145	4 x 19
LRL206-13/3	3	5.8	84.6	0.88	257	138	394	93	340	170	135	40	55	217	43	65	185	122	145	4 x 19
LRL206-14/4	4	7.7	85.8	0.87	257	138	427.5	93	340	170	135	40	55	232	49	65	185	122	145	4 x 19
LRL208-12/2,2	2,2	4.52	83.2	0.82	245	135	388.8	98	360	180	-	165	165	193	41.4	80	200	138	160	8 x 19
LRL208-13/3	3	5.8	84.6	0.88	278	153	400	105	360	180	135	40	55	217	46.8	80	200	138	160	8 x 19
LRL208-14/4	4	7.7	85.8	0.87	278	153	433.5	105	360	180	135	40	55	232	52.8	80	200	138	160	8 x 19
LRL403-11/0,25	0,25	0.67	74.0	0.73	207	106	297	70	260	130	90	40	50	141.2	20	32	140	78	100	4 x 19
LRL403-16/0,25	0,25	0.67	74.0	0.73	207	106	297	70	260	130	90	40	50	141.2	19.5	32	140	78	100	4 x 19
LRL404-08/0,09	0,09	0.26	67.9	0.73	145,5	78	272	65	250	125	90	40	50	125	14.1	40	150	88	110	4 x 19
LRL404-11/0,12	0,12	0.34	69.7	0.73	170	90	294	65	250	125	90	40	50	141.2	18.1	40	150	88	110	4 x 19
LRL404-13/0,25	0,25	0.67	74.0	0.73	234	121	291	75	320	160	90	40	50	141.2	21	40	150	88	110	4 x 19
LRL404-15/0,37	0,37	0.96	76.1	0.73	234	121	291	75	320	160	90	40	50	141.2	22.2	40	150	88	110	4 x 19
LRL405-11/0,25	0,25	0.67	74.0	0.73	192	101	298.5	75	280	140	-	125	125	141.2	21.7	50	165	102	125	4 x 19
LRL405-12/0,25	0,25	0.67	74.0	0.73	192	101	298.5	75	280	140	-	125	125	141.2	21.7	50	165	102	125	4 x 19
LRL405-13/0,37	0,37	0.96	76.1	0.73	247	131	293	86	340	170	104	40	50	141.2	25.2	50	165	102	125	4 x 19
LRL405-15/0,55	0,55	1.25	78.1	0.8	247	131	327	86	340	170	104	40	50	185	29	50	165	102	125	4 x 19
LRL406-12/0,25	0,25	0.67	74.0	0.73	257	138	299	93	340	170	135	40	55	141.2	26.5	65	185	122	145	4 x 19
LRL406-13/0,37	0,37	0.96	76.1	0.73	257	138	299	93	340	170	135	40	55	141.2	27.7	65	185	122	145	4 x 19
LRL406-14/0,55	0,55	1.25	78.1	0.8	257	138	333	93	340	170	135	40	55	185	31.5	65	185	122	145	4 x 19
LRL406-15/0,75	0,75	1.9	79.6	0.72	257	138	333	93	340	170	135	40	55	185	32.6	65	185	122	145	4 x 19
LRL408-13/0,75	0,75	1.9	79.6	0.72	278	153	339	105	360	180	135	40	55	185	36.4	80	200	138	160	8 x 19
LRL408-15/1,1	1,1	2.6	81.4	0.8	278	153	372.5	105	360	180	135	40	55	176.5	39.3	80	200	138	160	8 x 19

LRL 4 POLI : CARATTERISTICHE ELETTRICHE E DIMENSIONALI

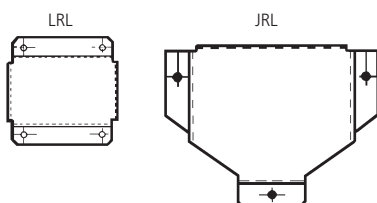


Modello	Motore					Pompa														
	P2 kW	Intensità 3-400V A	Rendimenti %	Cos	L mm	I ₁ mm	H mm	h mm	P mm	P1 mm	y mm	e mm	f mm	G mm	Peso kg	DN mm	D mm	g mm	c mm	Fori n x Ø
JRL203-09/0,37	0,37	0.91	72.8	0.78	410	207	321	70	260	136	225	56	106	141.2	36.3	32	140	100	78	4 x 19
JRL203-10/0,55	0,55	1.33	75.5	0.76	410	207	321	70	260	136	225	56	106	141.2	38.3	32	140	100	78	4 x 19
JRL203-11/0,75	0,75	1.7	77.4	0.8	410	207	341	70	260	136	225	56	106	185	46.3	32	140	100	78	4 x 19
JRL203-13/1,1	1,1	2.4	79.6	0.82	410	207	341	70	260	136	225	56	106	185	47.5	32	140	100	78	4 x 19
JRL203-16/1,1	1,1	2.4	79.6	0.82	410	207	341	70	260	136	225	56	106	185	43.3	32	140	100	78	4 x 19
JRL204-09/0,37	0,37	0.91	72.8	0.78	349,5	178	320	75	250	135	225	35	97	141.2	38.8	40	150	110	88	4 x 19
JRL204-11/0,55	0,55	1.33	75.5	0.76	349,5	178	320	75	250	135	225	35	97	141.2	41	40	150	110	88	4 x 19
JRL204-12/1,5	1,5	3.3	81.3	0.77	456	231	374	75	320	167	240	45	135	193	62.5	40	150	110	88	4 x 19
JRL204-13/2,2	2,2	4.52	83.2	0.82	456	231	374	75	320	167	240	45	135	193	62.5	40	150	110	88	4 x 19
JRL204-15/3	3	5.8	84.6	0.88	456	231	386	75	320	167	240	45	135	217	74.5	40	150	110	88	4 x 19
JRL204-16/4	4	7.7	85.8	0.87	456	231	420	75	320	167	240	45	135	232	86.5	40	150	110	88	4 x 19
JRL205-11/0,75	0,75	1.7	77.4	0.8	390	198	346	83	280	155	228	50	107	146	50.1	50	165	125	102	4 x 19
JRL205-12/1,5	1,5	3.3	81.3	0.77	500	255	376	86	340	190	240	48	132	193	60.3	50	165	125	102	4 x 19
JRL205-13/2,2	2,2	4.52	83.2	0.82	500	255	376	86	340	190	240	48	132	193	64.3	50	165	125	102	4 x 19
JRL205-14/3	3	5.8	84.6	0.88	500	255	388	86	340	190	240	48	132	217	76.3	50	165	125	102	4 x 19
JRL205-15/4	4	7.7	85.8	0.87	500	255	422	86	340	190	240	48	132	232	88.3	50	165	125	102	4 x 19
JRL206-12/1,5	1,5	3.3	81.3	0.77	431,5	223	387	93	340	185	225	25	137	193	66	65	185	145	122	4 x 19
JRL206-12/2,2	2,2	4.52	83.2	0.82	550	280	382	93	340	185	240	43	137	193	71.8	65	185	145	122	4 x 19
JRL206-13/3	4	7.7	85.8	0.87	550	280	394	93	340	185	240	43	137	232	95.8	65	185	145	122	4 x 19
JRL206-14/4	3	5.8	84.6	0.88	550	280	428	93	340	185	240	43	137	217	83.8	65	185	145	122	4 x 19
JRL208-12/2,2	2,2	4.52	83.2	0.82	479,5	249	389	100	360	205	240	43	137	193	76.2	80	200	160	138	8 x 19
JRL208-13/3	3	5.8	84.6	0.88	601	307	400	103	360	192	240	30	150	217	87	80	200	160	138	8 x 19
JRL208-14/4	4	7.7	85.8	0.87	601	307	434	103	360	192	240	30	150	232	99	80	200	160	138	8 x 19
JRL403-11/0,25	0,25	0.67	74.0	0.73	410	207	297	70	260	136	225	56	106	141.2	35.3	32	140	100	78	4 x 19
JRL403-16/0,25	0,25	0.67	74.0	0.73	410	207	297	70	260	136	225	56	106	141.2	34.3	32	140	100	78	4 x 19
JRL404-13/0,25	0,25	0.67	74.0	0.73	456	231	291	75	320	167	240	45	135	141.2	41.5	40	150	110	88	4 x 19
JRL404-15/0,37	0,37	0.96	76.1	0.73	456	231	291	75	320	167	240	45	135	141.2	43.9	40	150	110	88	4 x 19
JRL405-11/0,25	0,25	0.67	74.0	0.73	390	198	299	83	280	155	228	50	107	141.2	39.1	50	165	125	102	4 x 19
JRL405-13/0,37	0,37	0.96	76.1	0.73	500	255	293	86	340	190	240	48	132	141.2	45.7	50	165	125	102	4 x 19
JRL405-15/0,55	0,55	1.25	78.1	0.8	500	255	327	86	340	190	240	48	132	185	53.3	50	165	125	102	4 x 19
JRL406-12/0,25	0,25	0.67	74.0	0.73	550	280	299	93	340	185	240	43	137	141.2	50.8	65	185	145	122	4 x 19
JRL406-13/0,37	0,37	0.96	76.1	0.73	550	280	299	93	340	185	240	43	137	141.2	53.2	65	185	145	122	4 x 19
JRL406-14/0,55	0,55	1.25	78.1	0.8	550	280	333	93	340	185	240	43	137	185	60.8	65	185	145	122	4 x 19
JRL406-15/0,75	0,75	1.9	79.6	0.72	550	280	333	93	340	185	240	43	137	185	63	65	185	145	122	4 x 19
JRL408-13/0,75	0,75	1.9	79.6	0.72	601	307	339	103	360	192	240	30	150	185	59	80	200	160	138	8 x 19
JRL408-15/1,1	1,1	2.6	81.4	0.8	601	307	373	103	360	192	240	30	150	176.5	72	80	200	160	138	8 x 19

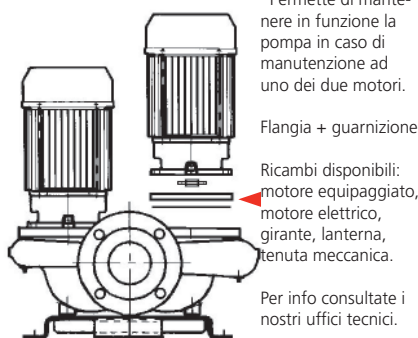
LRL - JRL

OPTIONAL

Piede di supporto pompe DN 65 e DN 80



JRL: Flangia cieca



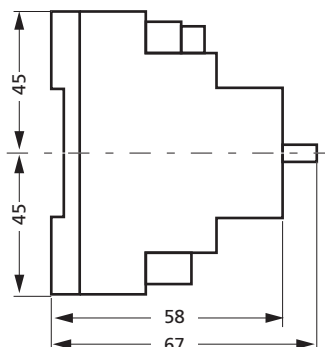
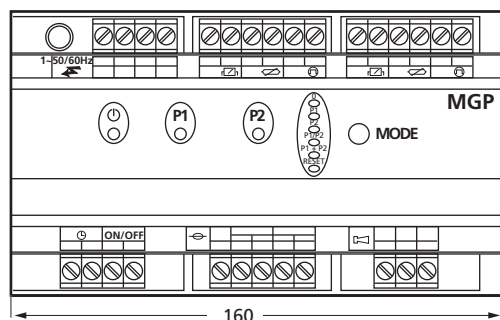
Modello pompa per taglia	Piede di supporto		Flangia cieca per JRL	
	LRL	JRL	Rif. Modello	Rif. Articolo
203 - 16			COUV 160	30 908 178 F
204 - 12			COUV 120	30 925 165 P
204 - 16			COUV 160	30 908 178 F
205 - 12			COUV 120	30 925 165 P
205 - 16			COUV 160	30 908 178 F
206 - 12	30 925 701 Y	30 925 702 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 & 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 & 408 - 16	30 925 700 P	30 925 702 G	COUV 160	30 908 178 F

La famiglia della pompa è indicata sulle curve idrauliche

MODULO GESTIONE POMPA - MGP PER LRL - JRL

- ✓ Controllo e protezione termica motore.
- ✓ Sicurezza di funzionamento con rotazione automatica delle pompe, inserimento della pompa di soccorso, in caso di guasto della pompa in servizio.

Per ulteriori informazioni, consultare i dati specifici MGP..



PARTICOLARITÀ

a) Elettriche

- ▶ TRIFASE 230 - 400 V - 50 Hz motore $f3kW$.
- ▶ TRIFASE 400V - 50 Hz motore = 4kW.
- ▶ Protezione motore con disgiuntore

b) Montaggio

- ▶ Diretto sulla tubazione orizzontale o verticale.
- ▶ Raccordo con l'installazione con controflange PN10 (non fornite).
- ▶ L'installazione deve prevedere la protezione della pompa dalle intemperie e il gelo, l'esposizione diretta alla pioggia o al sole.

Optional

- ▶ Piede di supporto pompa da fissare sul basamento per i modelli DN 65 e 80

c) Imballo

- ▶ Pompe complete di bulloni e guarnizioni, escluse le controflange

d) Manutenzione

- ▶ Sostituzione completa della pompa o riparazione; vedere parti di ricambio raccomandate soggette all'usura.

ACCESSORI

- ✓ Flangia cieca (JRL)
- ✓ Kit di presa pressione
- ✓ Controflange PN10
- ✓ Valvola di ritegno
- ✓ Valvola di intercettazione