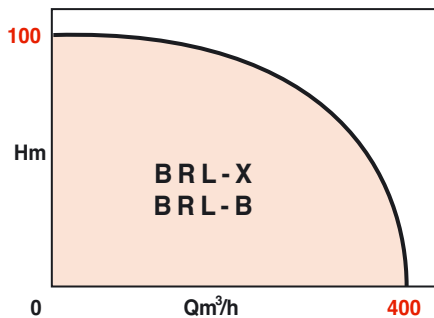


PLAGES D'UTILISATION

Débits jusqu'à :	400 m ³ /h
Hauteurs mano. jusqu'à :	100 m
Pression de service maxi :	10 bar
Plage de température :	- 10° à +90°C**
DN orifices :	32 à 125
MEI* de référence :	≥ 0,10
*Minimum Efficiency Index	
**max +120°C sur demande	



AVANTAGES

- Cotes fonctionnelles de raccordement conformes à la norme EN 733 (corps) et EN 1092-2 (brides).
- Résistant à la corrosion, roue et corps en bronze marine / inox 316.
- Encombrement réduit et gain de poids grâce à une construction compacte et légère.
- Pas de risque de désalignement, la roue est montée directement sur l'arbre moteur
- Maintenance facilitée et mise en eau rapide avant démarrage, grâce au bouchon de vidange et remplissage.

BRL-X / BRL-B

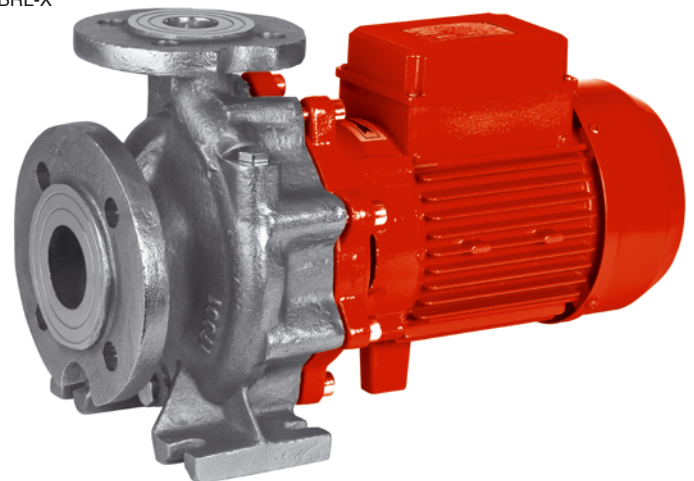
POMPES MONOBLOC NORMALISEES CORPS BRONZE OU INOX

Chauffage - Climatisation Adduction - Surpression 50 Hz

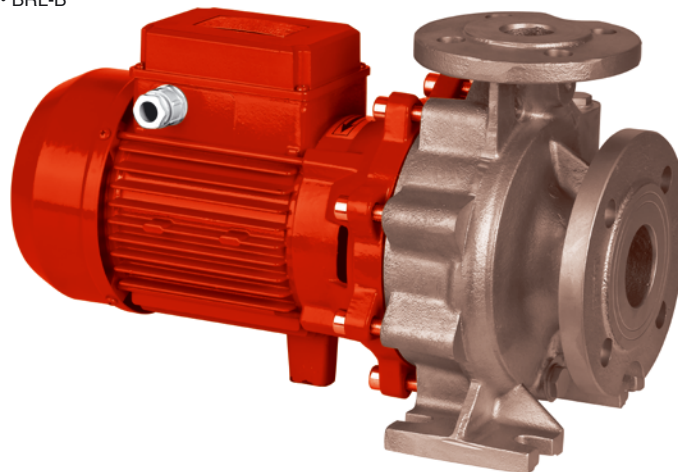
APPLICATIONS

- Circulation d'eau chaude suivant VDI2035 ou d'eau froide
 - Circuits d'eau glacée ou glycolée jusqu'à 40% de glycol et température 30°C
 - Circuits d'eau de refroidissement
 - Irrigation, lavage
 - Vidange, remplissage, surpression
 - Applications* eau de mer (thalasso, géothermie), et eau de piscine.
- * Nous consulter.

• BRL-X



• BRL-B



BRL-X / BRL-B

CONCEPTION

•Partie hydraulique

- Centrifuge monocellulaire
- Corps à brides, aspiration axiale et refoulement vertical
- Etanchéité par garniture mécanique normalisée
- Dimensions du corps suivant EN 733 et EN 1092-2.

•Moteur

Moteur asynchrone à carter fermé avec ventilation extérieure, directement couplé sur l'hydraulique.

- Vitesse : 1450 et 2900 tr/mn
 Bobinage tri \leq 4 kW : 230 V Δ 50 Hz
 400 V Y 50 Hz
 Bobinage tri \geq 5,5 kW : 400 V Δ 50 Hz
 Isolation : 155 (F)
 Indice de protection : IP55
 Conformité CE : EN 809

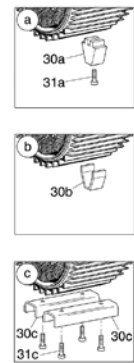
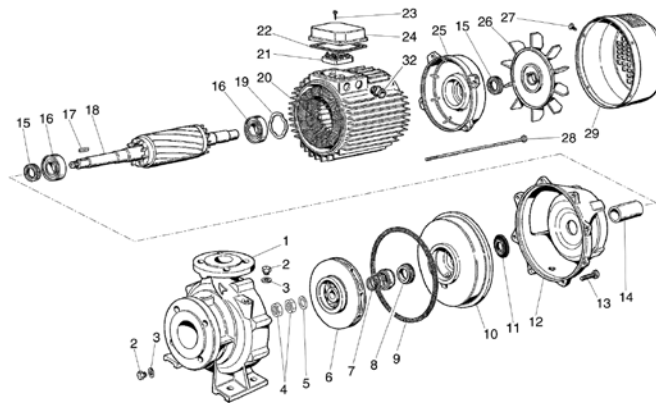
CONSTRUCTION DE BASE

Pièces principales	Matériau	
	BRL-B	BRL-X
Corps de pompe	Bronze	Inox C60
Fond de corps	G-CuSn10	(1.4408/ AISI 316)
Roue	Inox X5CrNiMo17-12-2	
Arbre pompe et moteur	(1.4401/AISI316) (Standard) ou Inox X2CrNiMoN22-5-3 (1.4462) (Sur demande)	
Garniture mécanique*	Q1Q1VGG Q1 : Carbure de silicium Q1 : Carbure de silicium V - Joint Viton GG - acier inoxydable	

* Autres garnitures mécaniques, nous consulter

PLAN COUPE DE PRINCIPE

- | | | | |
|-----|----------------------------------|---------|------------------------------|
| 1 | Bride d'aspiration | 17 | Vis |
| 2 | Vis | 18 | Arbre et rotor moteur |
| 3,4 | Écrou | 19 | Circlip |
| 5 | Joint | 20 | Carcasse moteur et stator |
| 6 | Roue | 21 à 24 | Boîte à borne moteur |
| 7,8 | Garniture mécanique | 25 | Couvercle carcasse moteur |
| 9 | Joint d'étanchéité fond de corps | 26 | Ventilateur |
| 10 | Fond de corps | 27 | Vis de fixation capot moteur |
| 11 | Rondelle | 28 | Tirant |
| 12 | Bride moteur | 29 | Capot moteur |
| 13 | Vis | 30 | Pied de soutien moteur |
| 15 | Joint d'étanchéité | 31 | Vis |
| 16 | Roulement | | |



IDENTIFICATION

BRL-X ou BRL-B 50-125/3/2/130

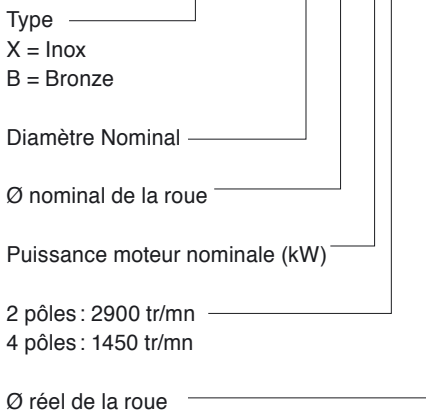
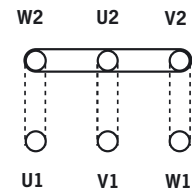


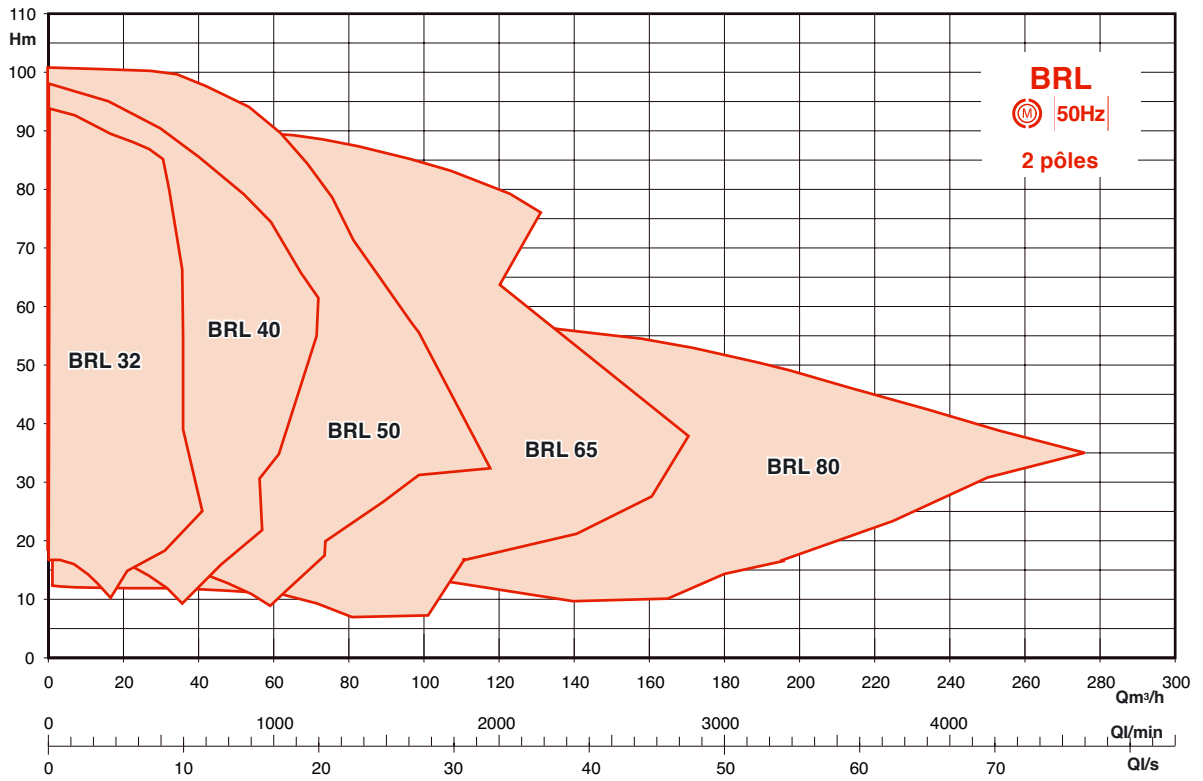
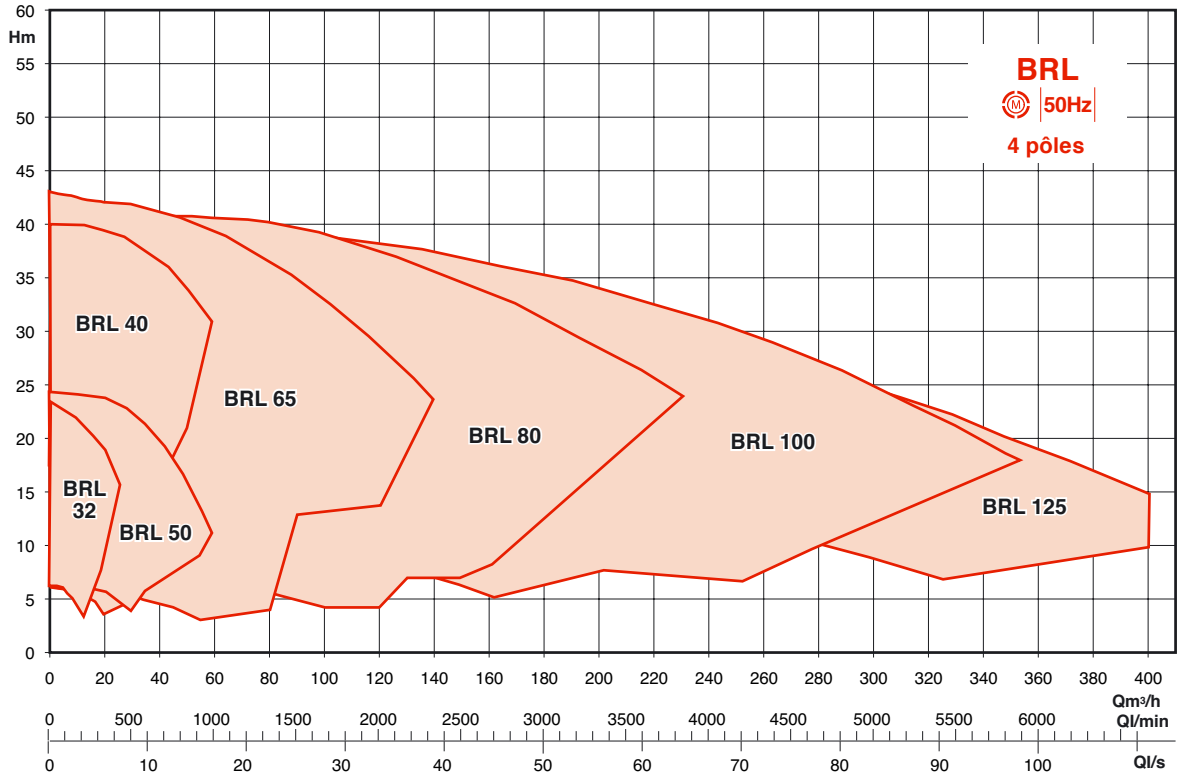
SCHÉMA DE BRANCHEMENT

- Ligne pleine : Y
 Pointillé : Δ
 P2 \leq 4 kW 3 ~ 400 V = Y
 3 ~ 230 V = Δ
 P2 \geq 5,5 kW 3 ~ 400 V = Δ
 Pour démarrage étoile - triangle, retirer les barrettes



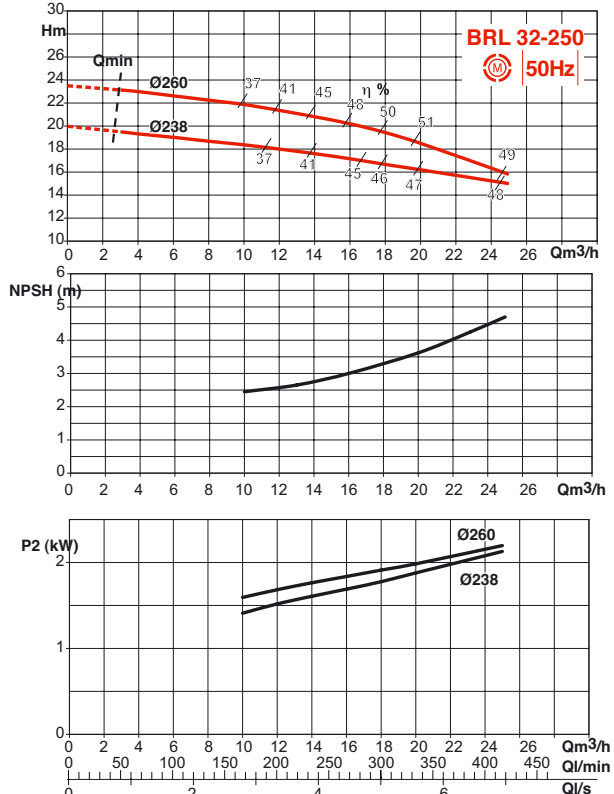
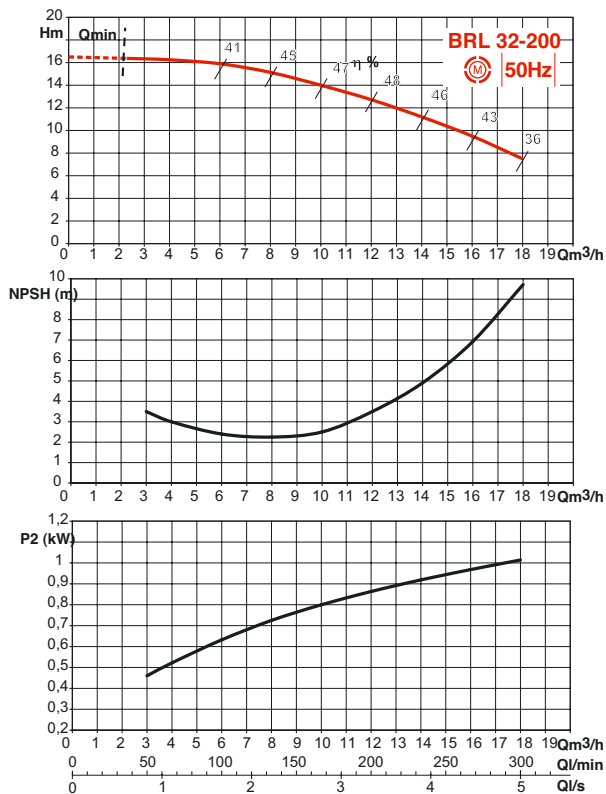
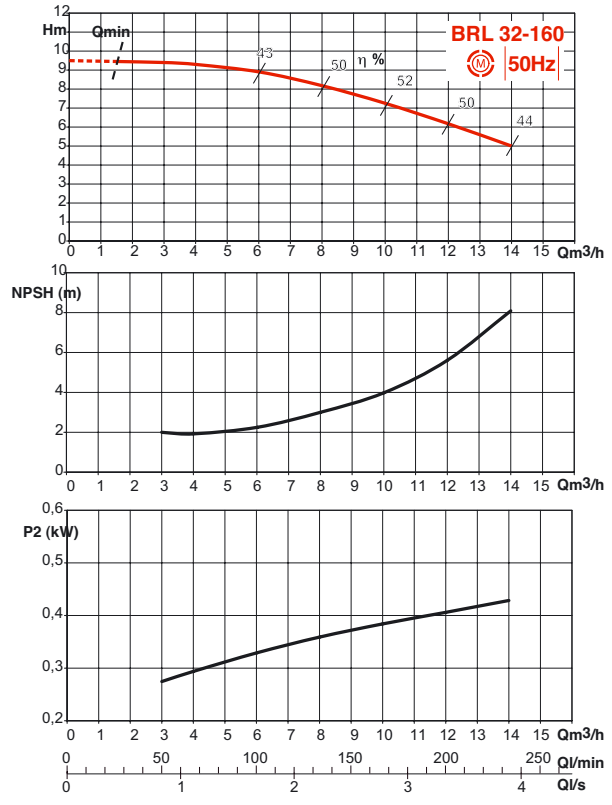
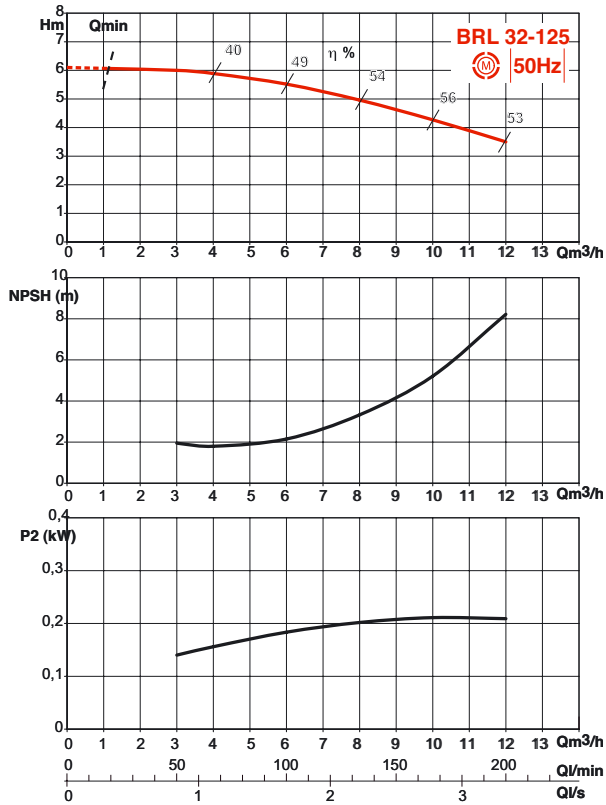
BRL-X / BRL-B

ABAQUE GÉNÉRAL DE PRÉSÉLECTION



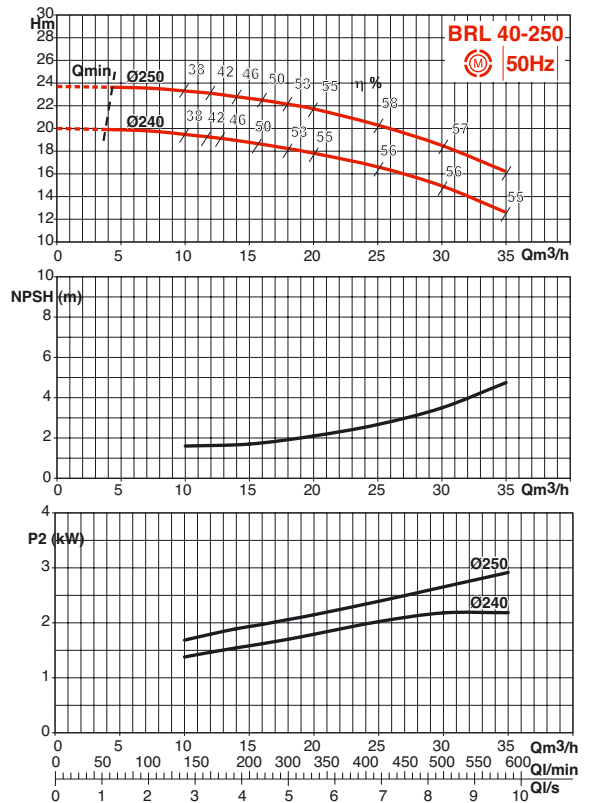
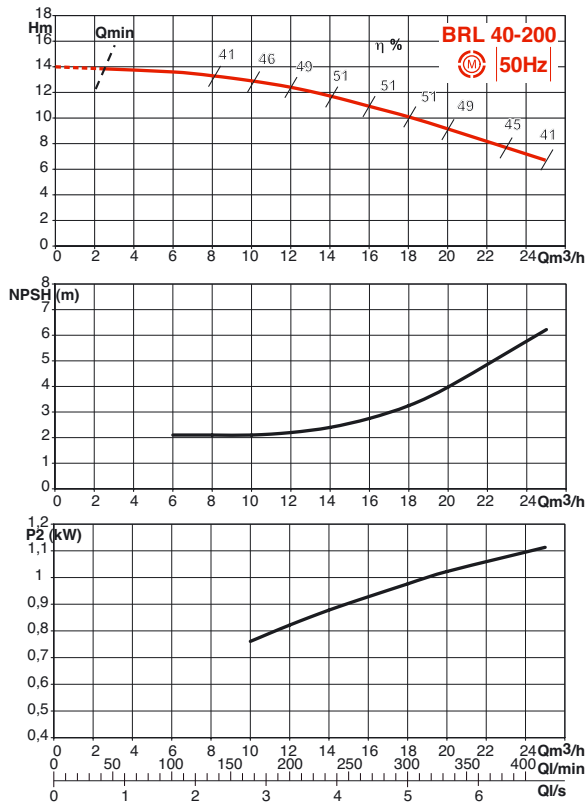
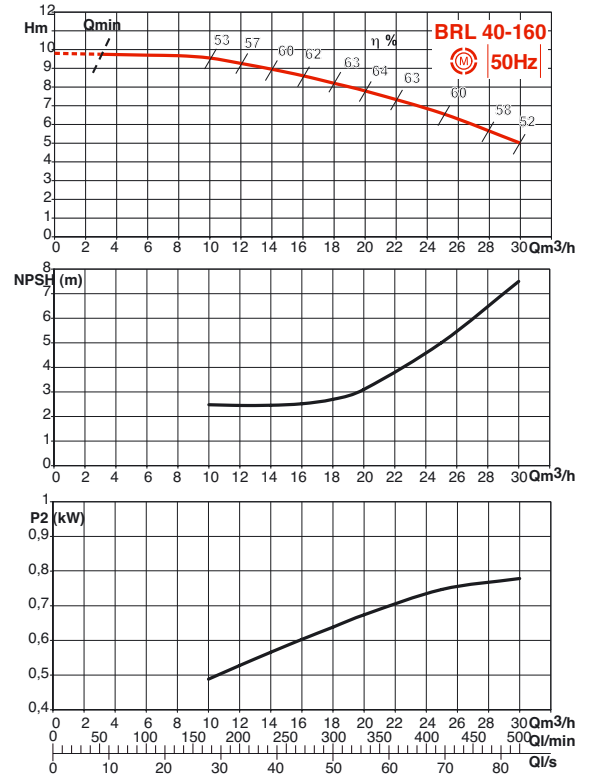
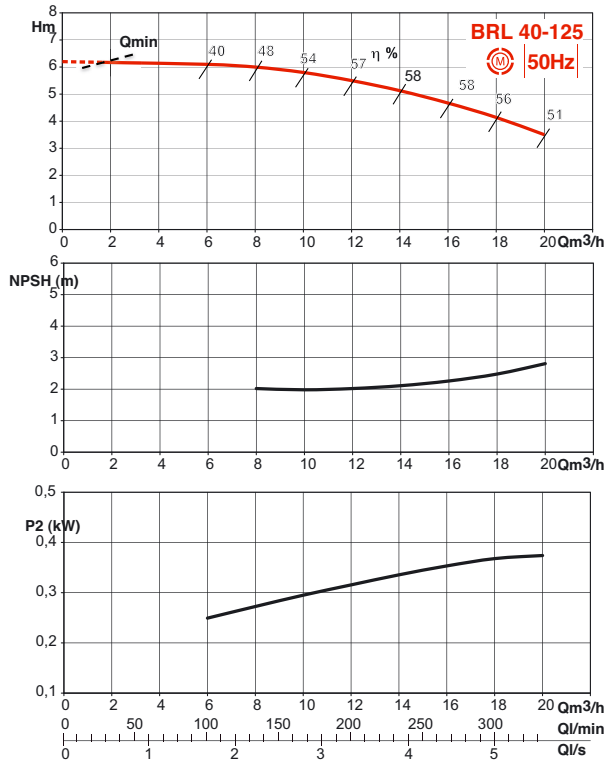
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 4 PÔLES



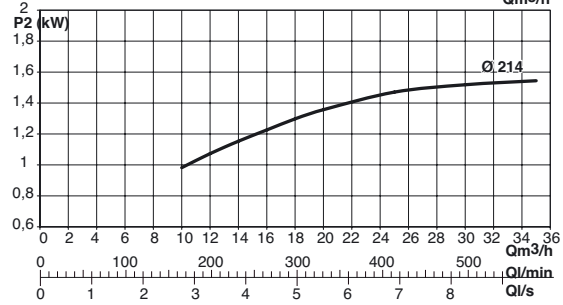
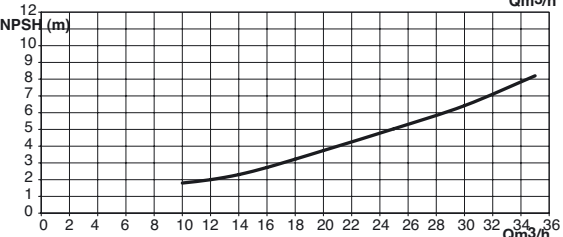
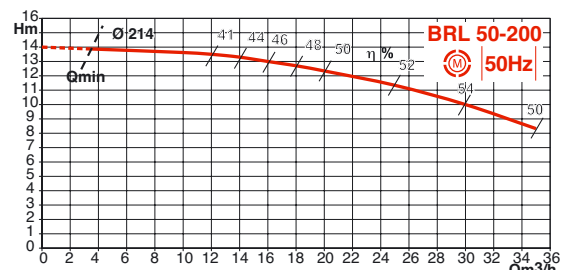
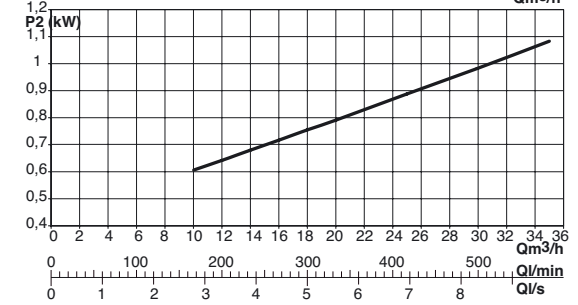
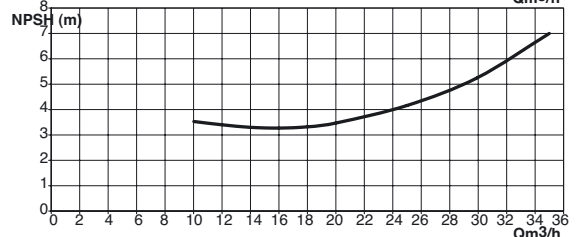
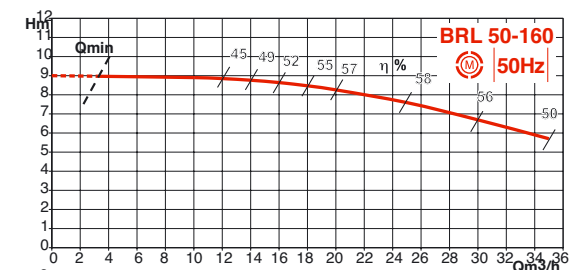
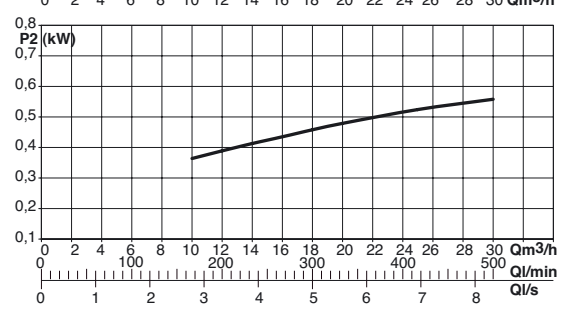
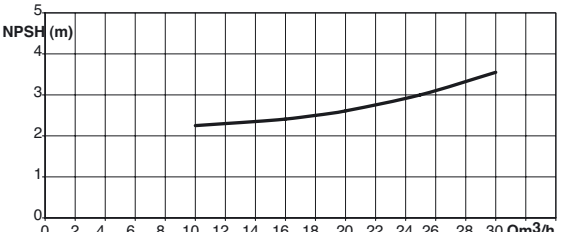
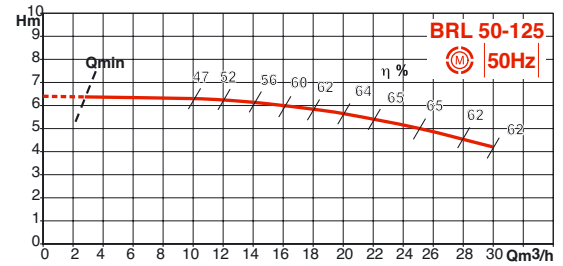
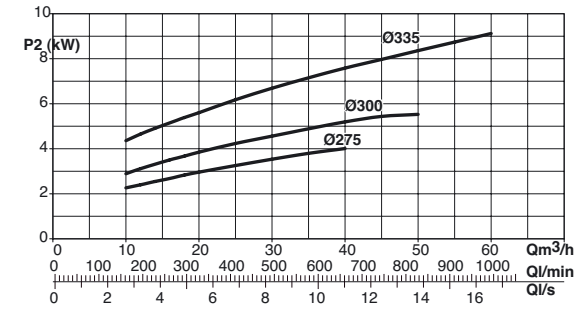
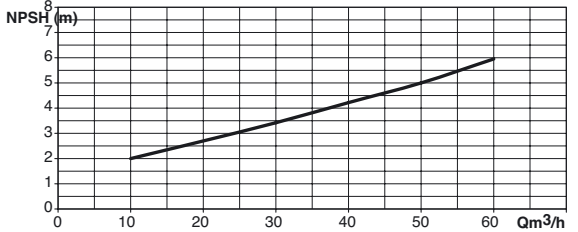
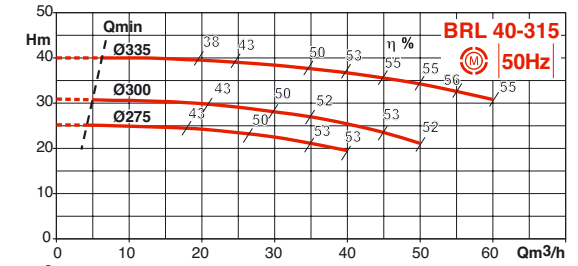
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 4 PÔLES



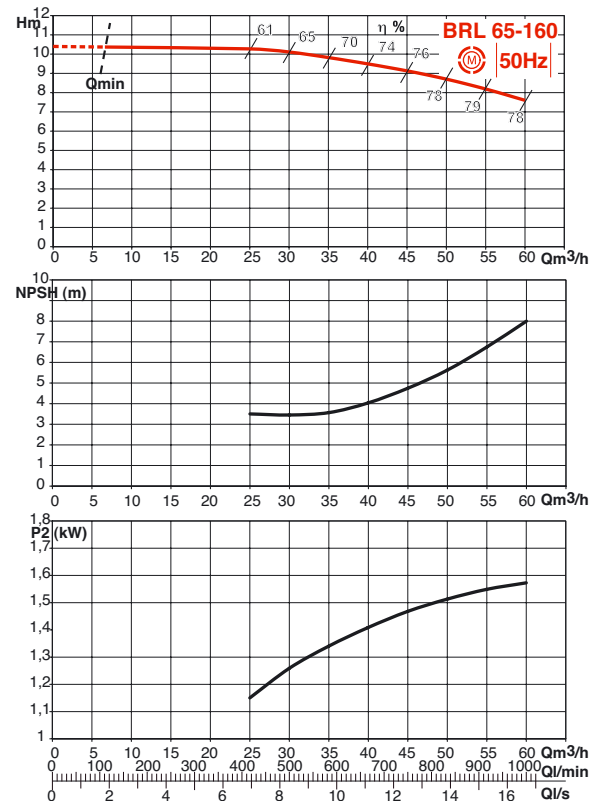
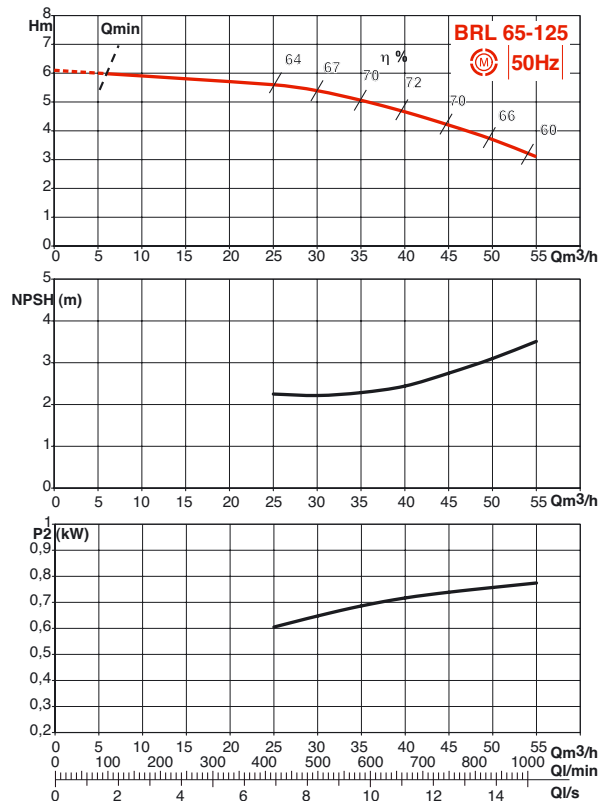
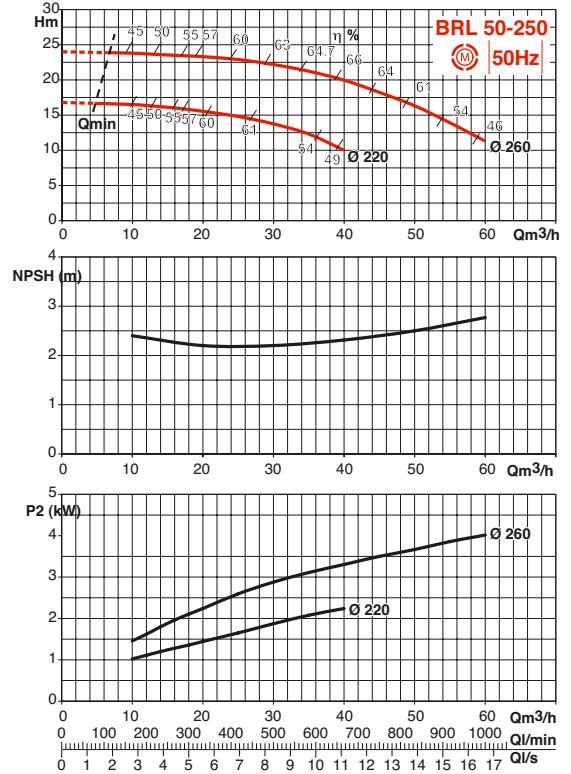
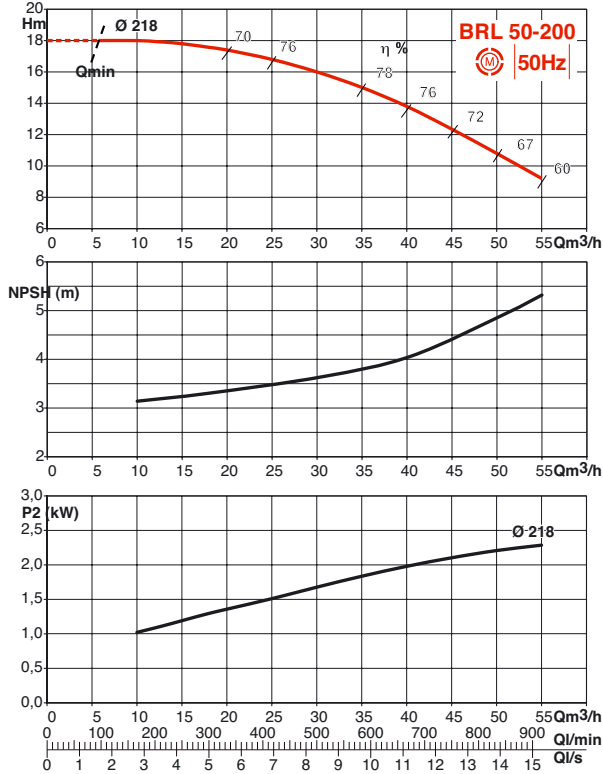
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 4 PÔLES



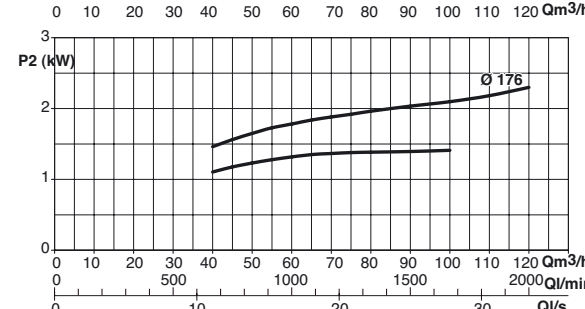
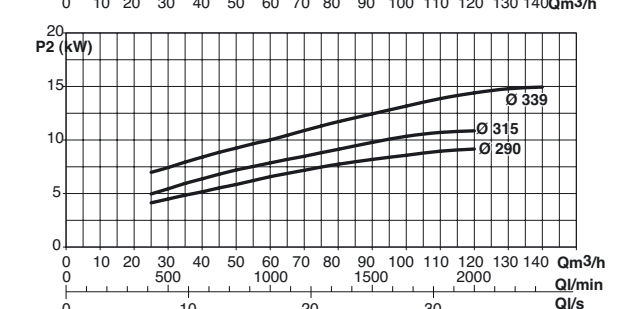
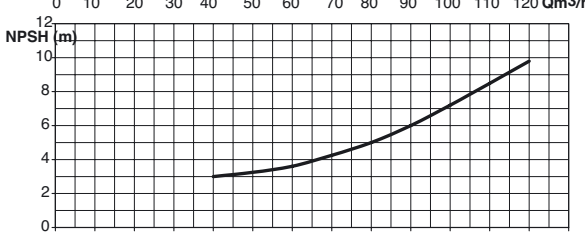
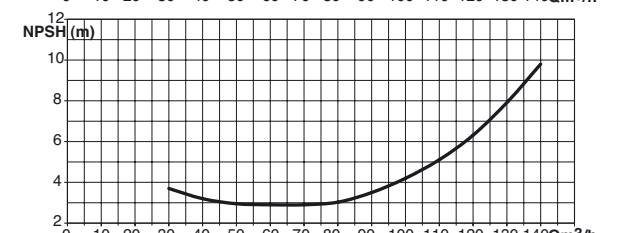
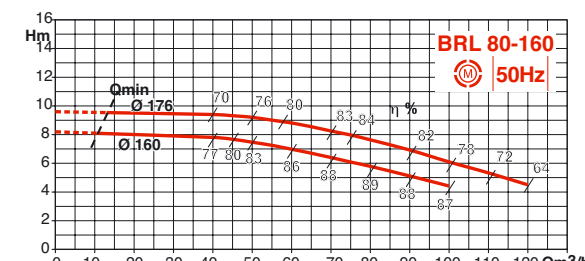
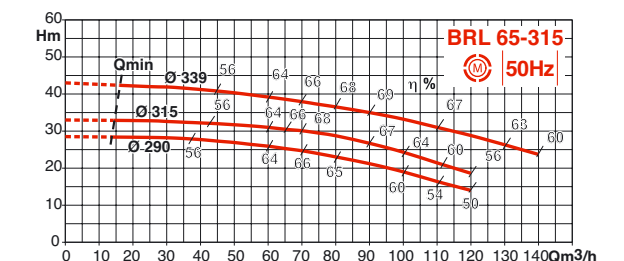
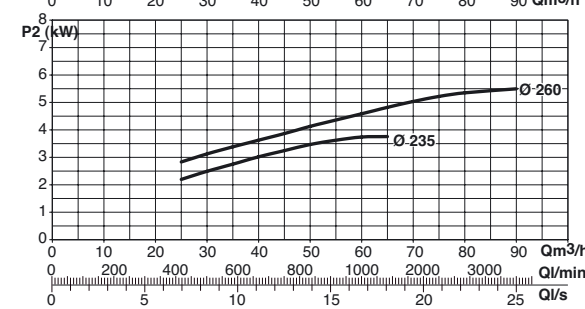
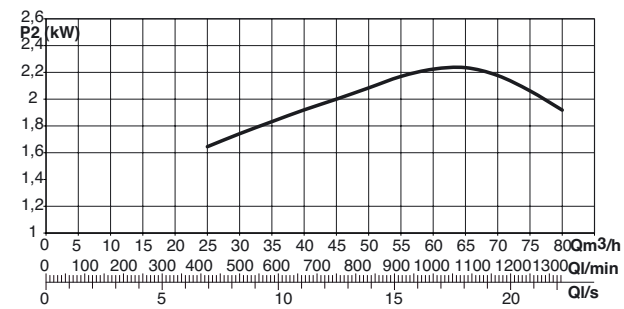
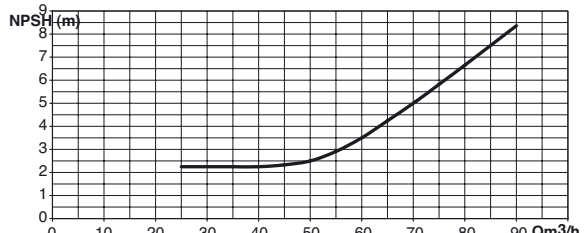
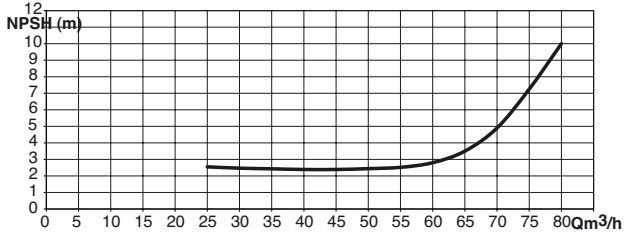
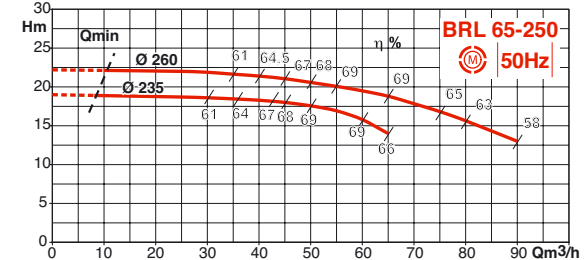
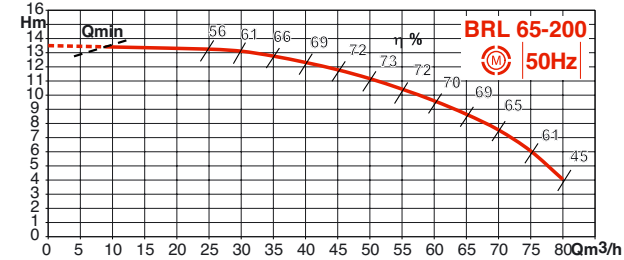
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 4 PÔLES



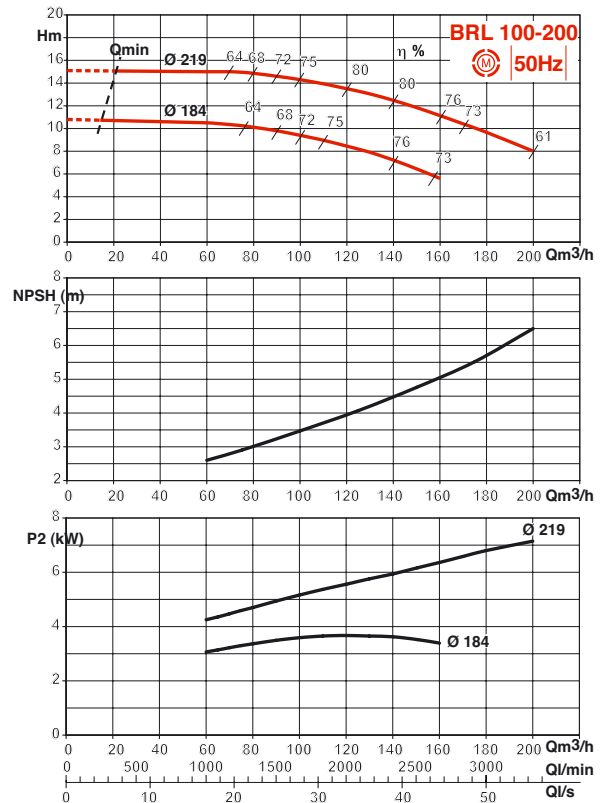
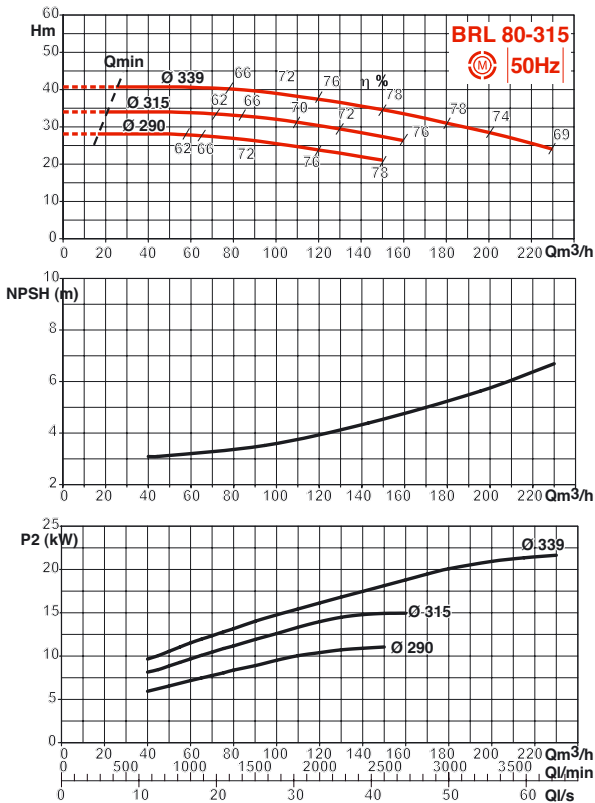
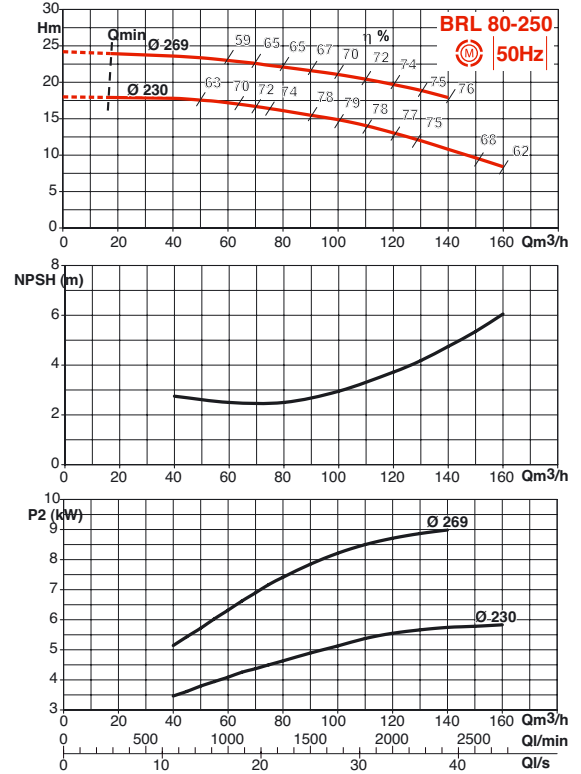
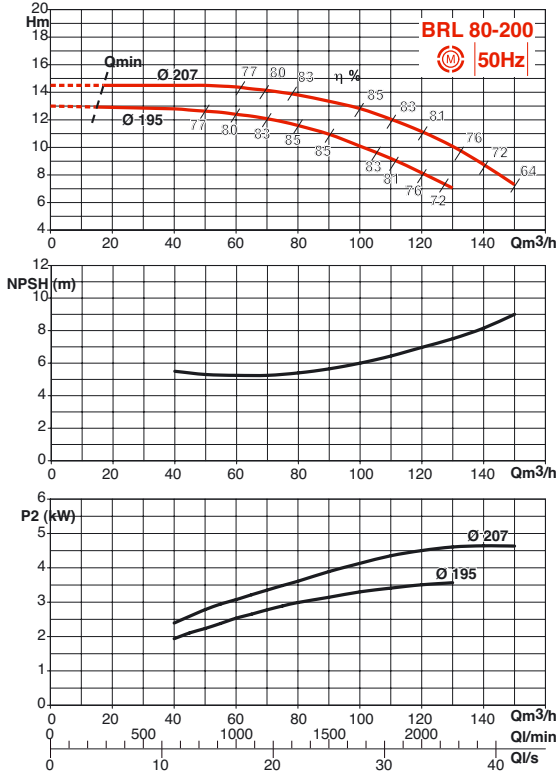
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 4 PÔLES



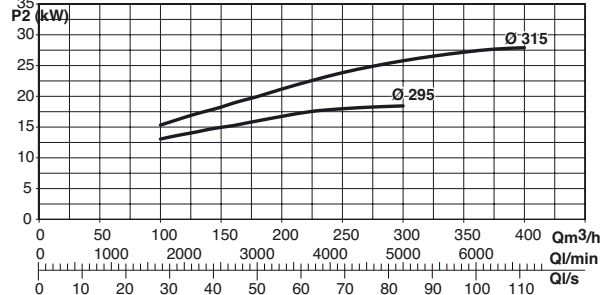
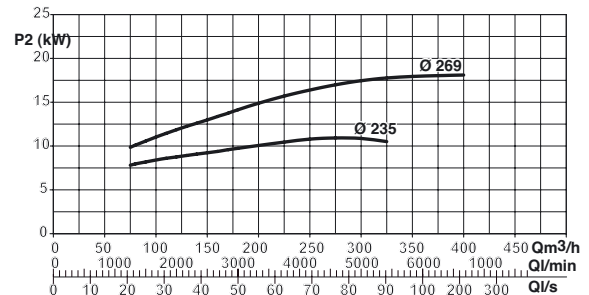
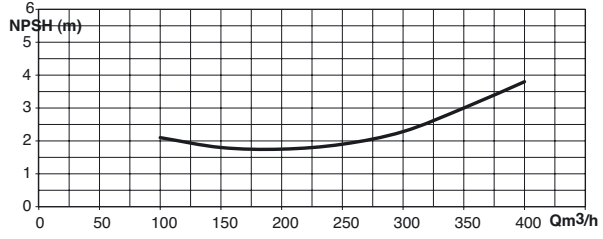
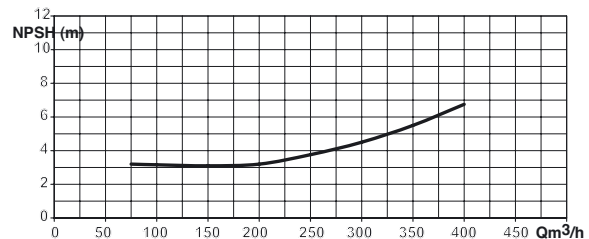
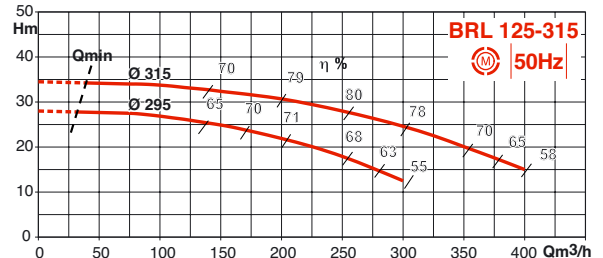
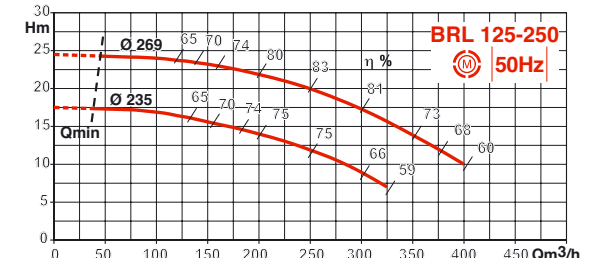
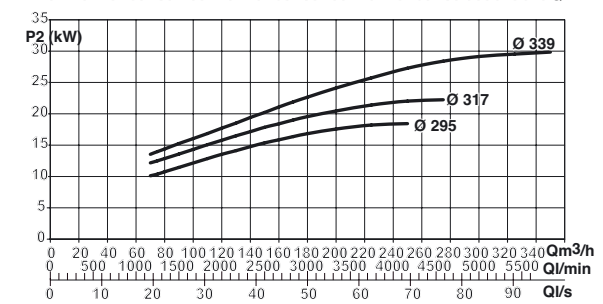
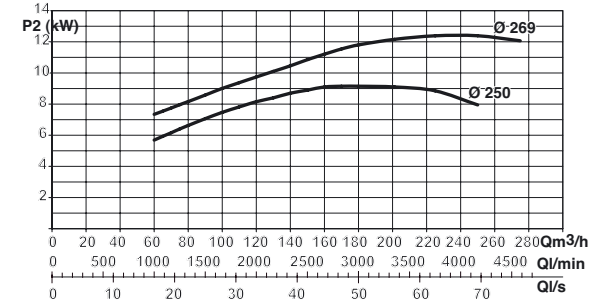
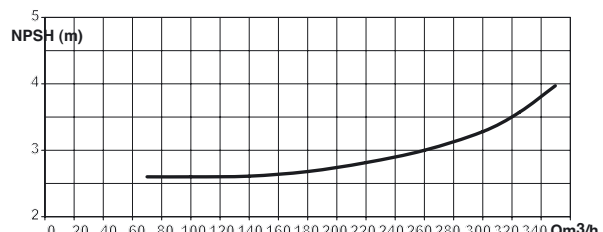
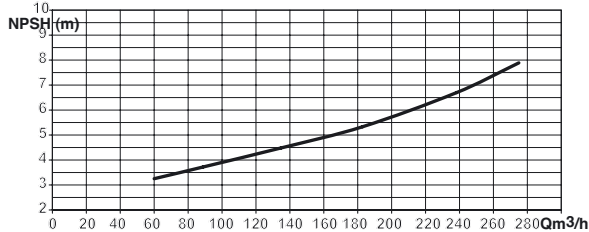
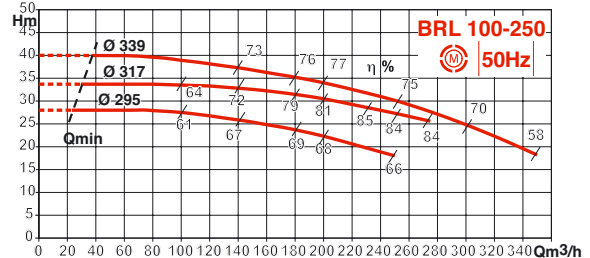
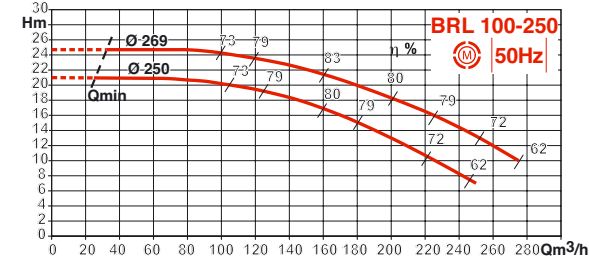
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 4 PÔLES



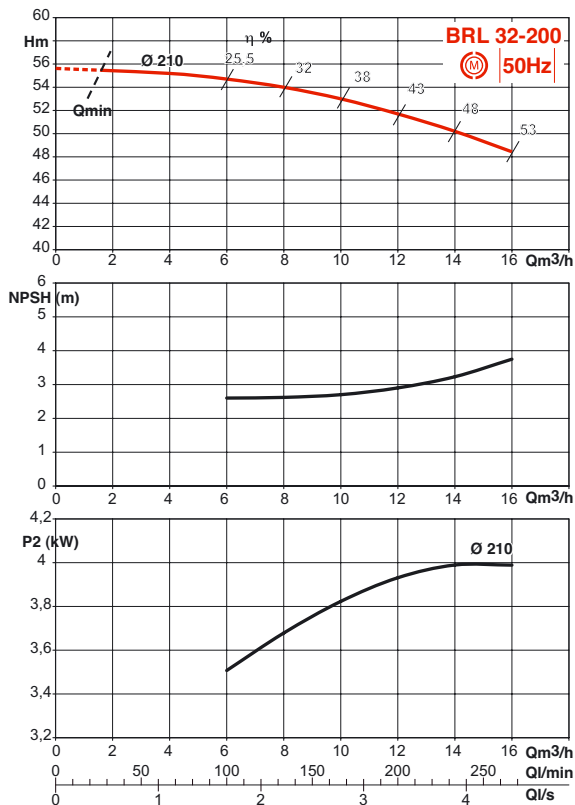
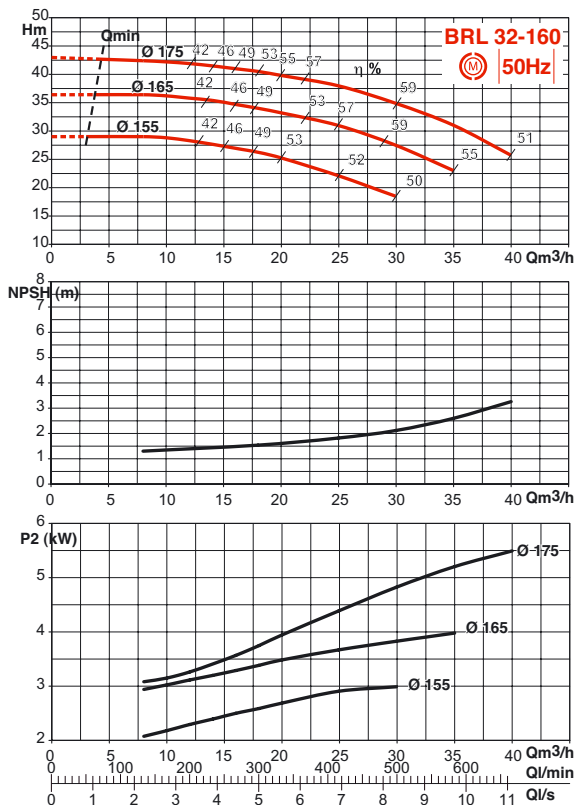
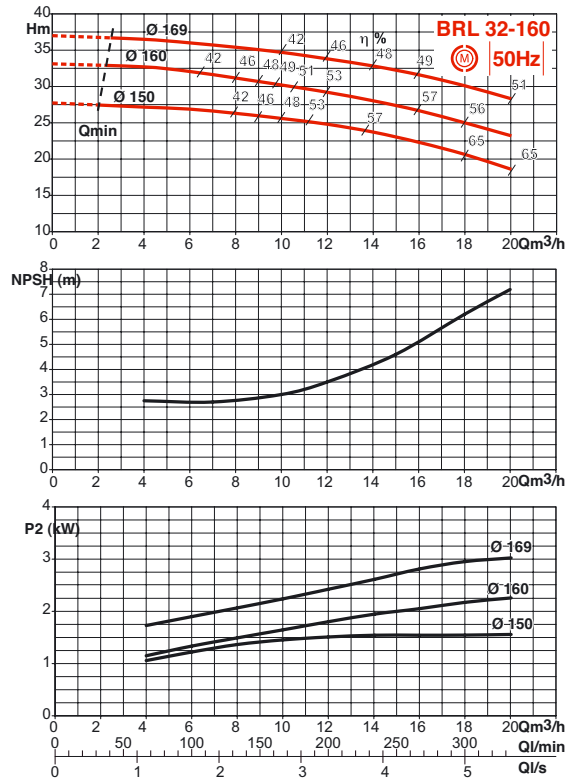
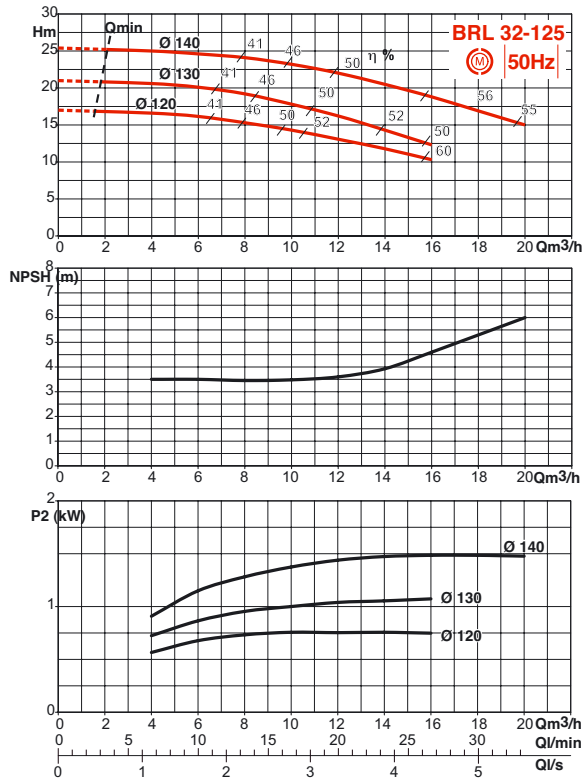
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 4 PÔLES



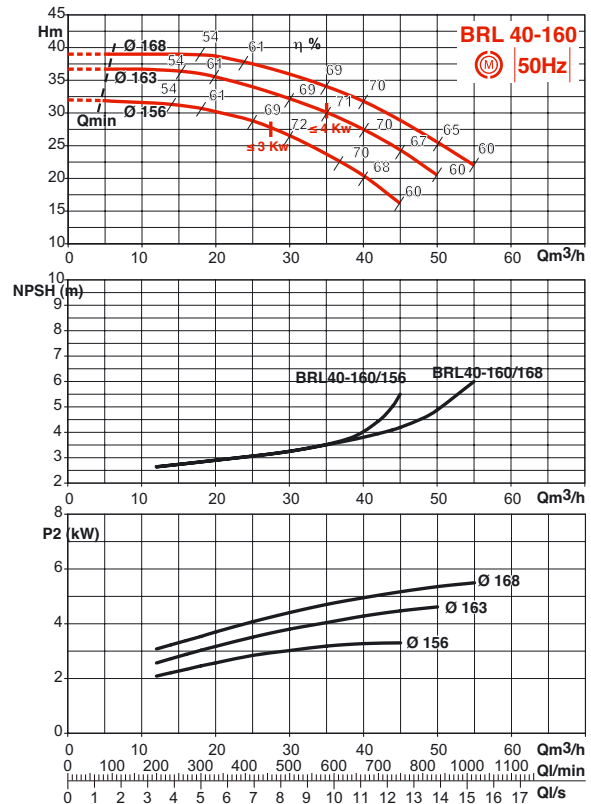
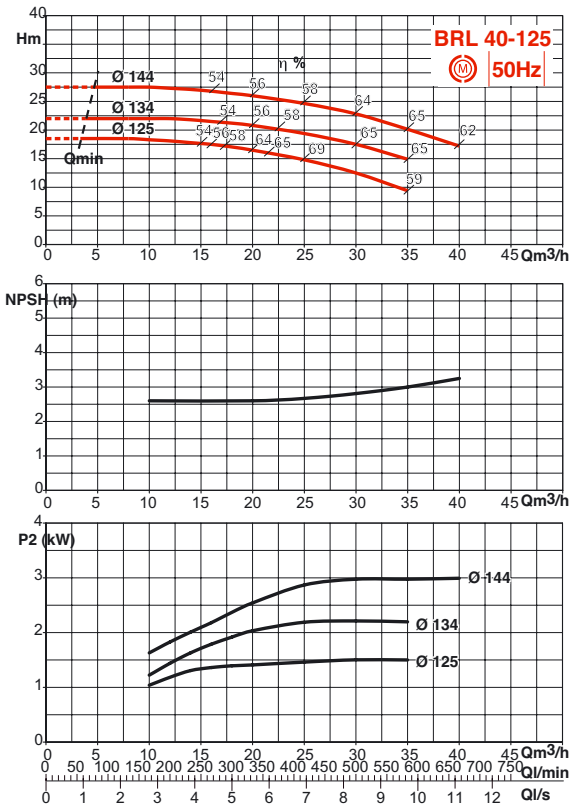
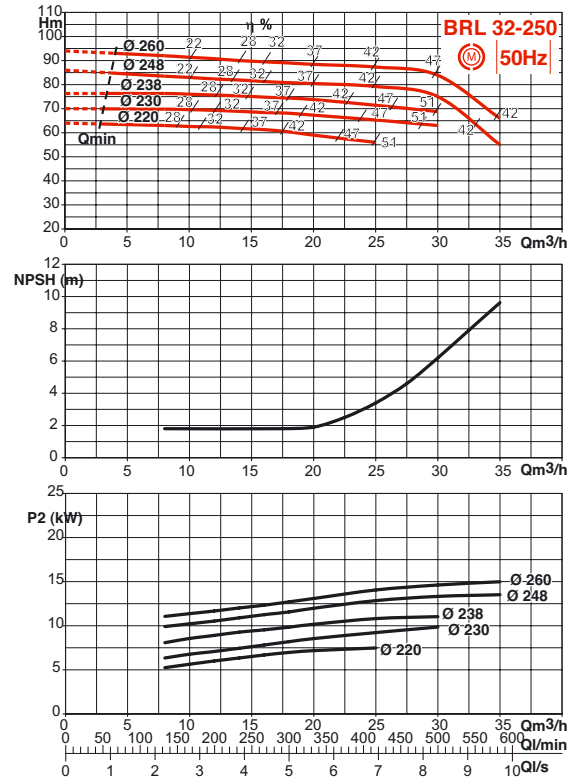
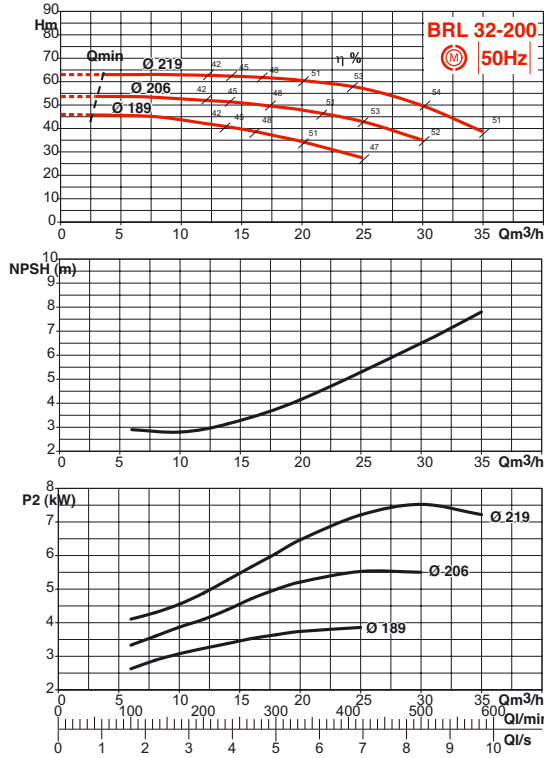
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 2 PÔLES



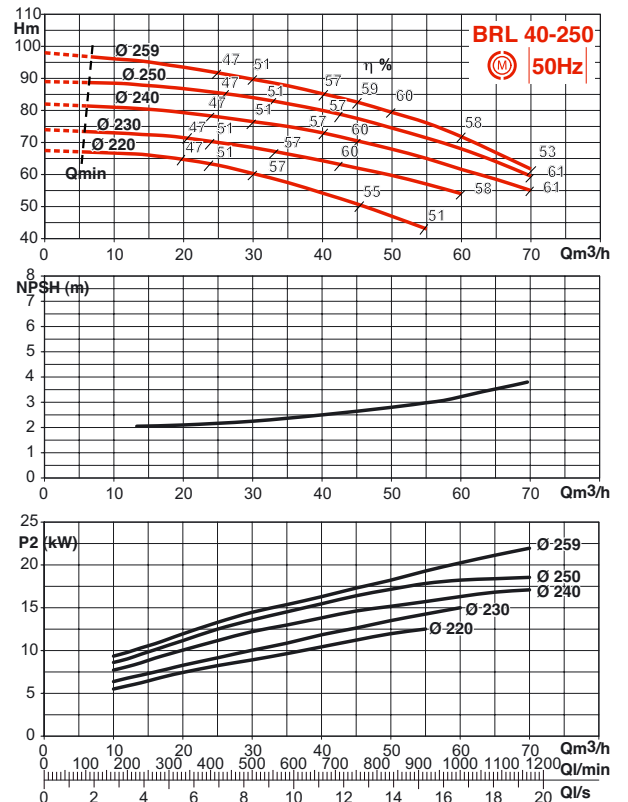
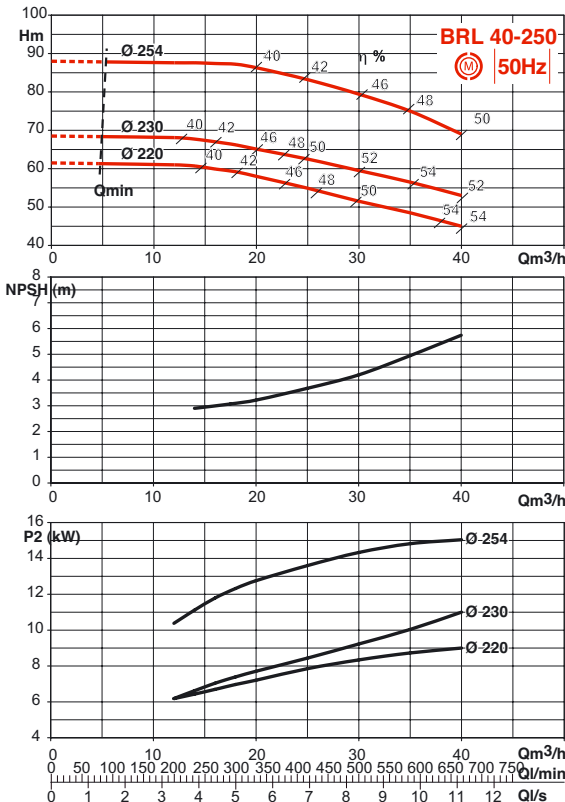
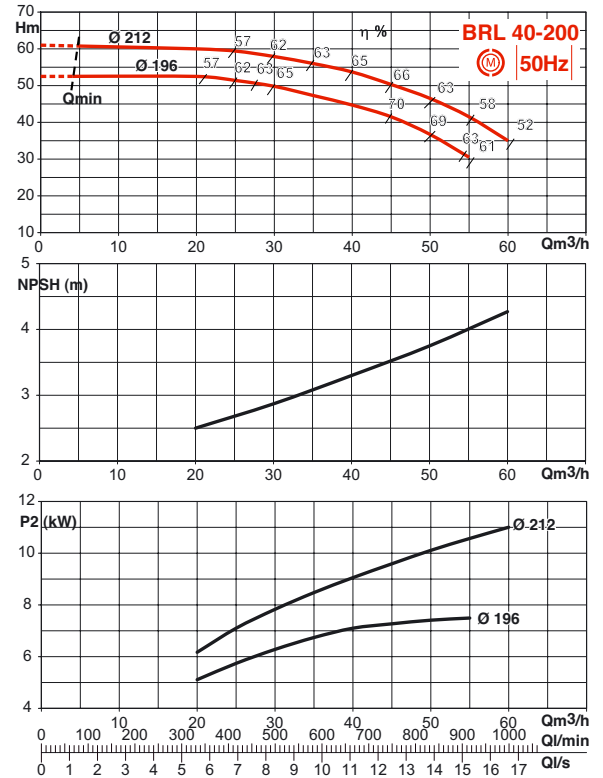
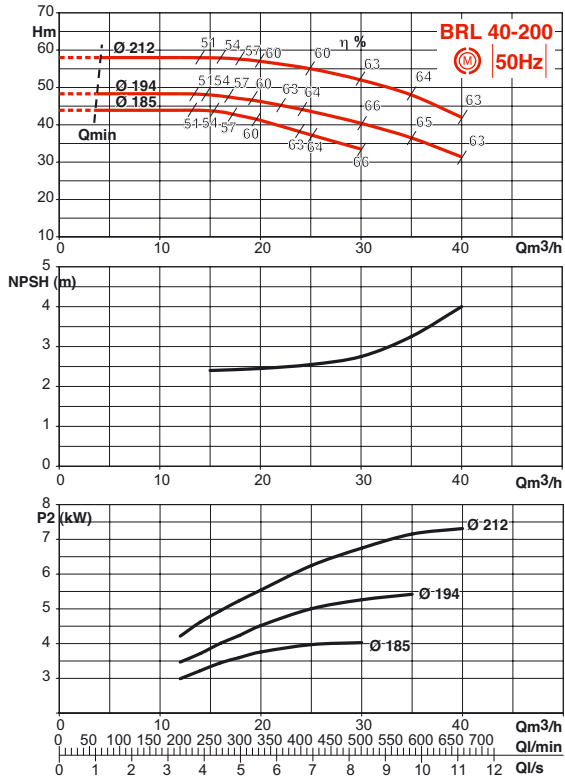
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 2 PÔLES



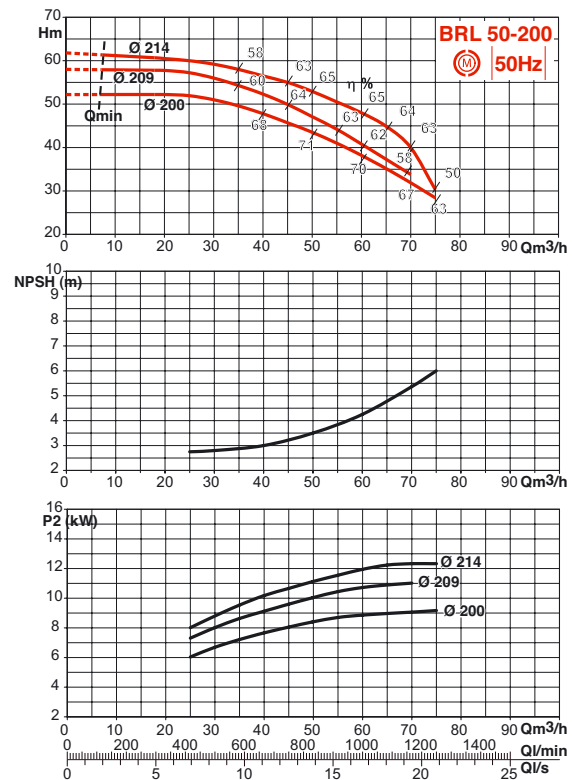
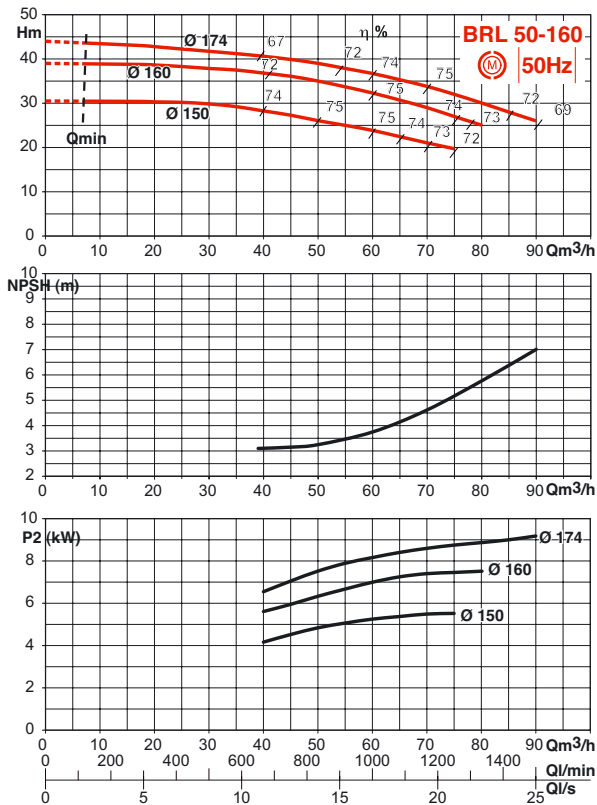
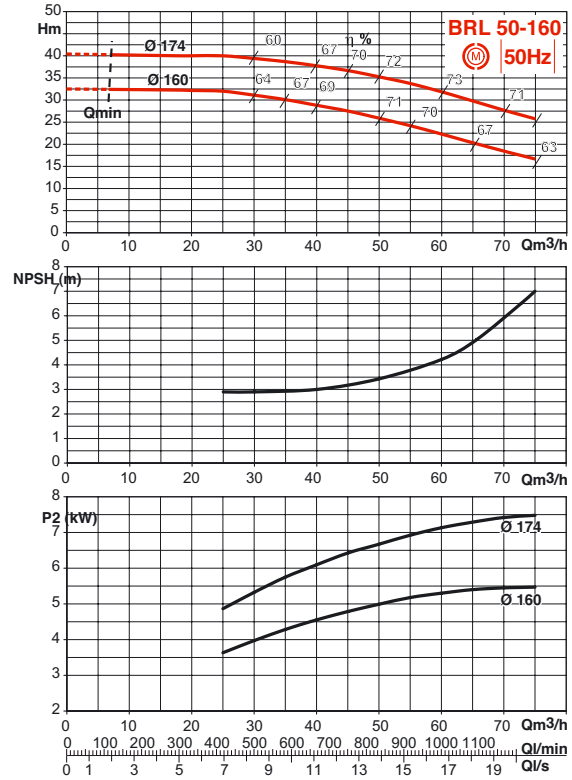
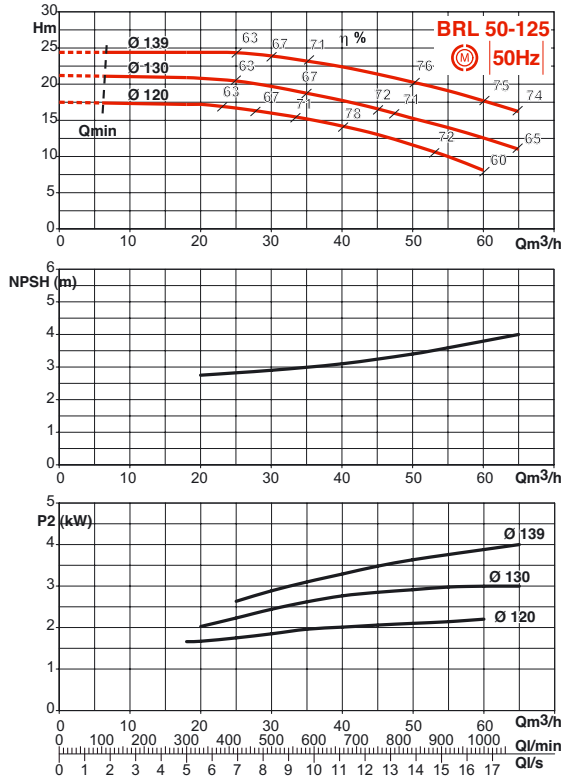
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 2 PÔLES



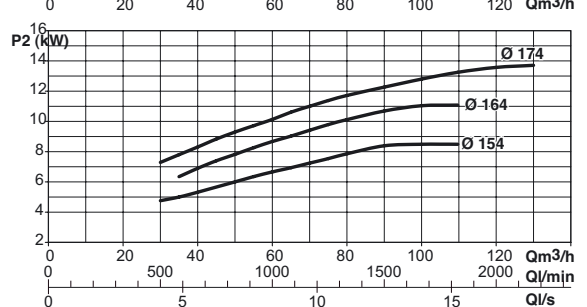
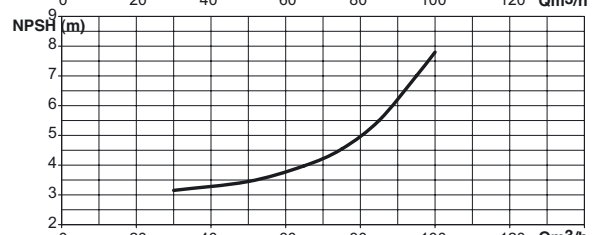
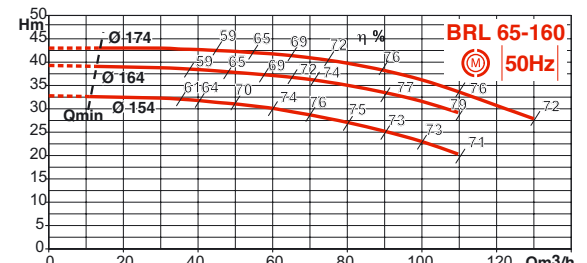
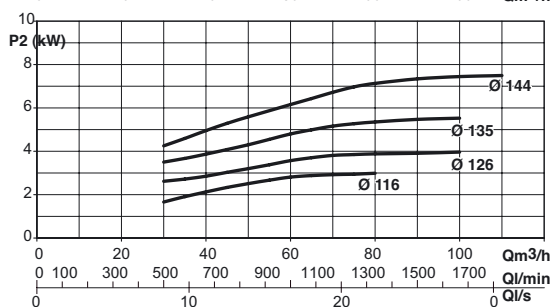
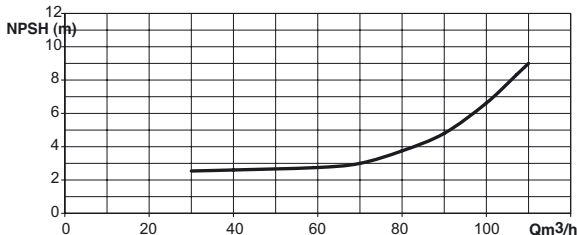
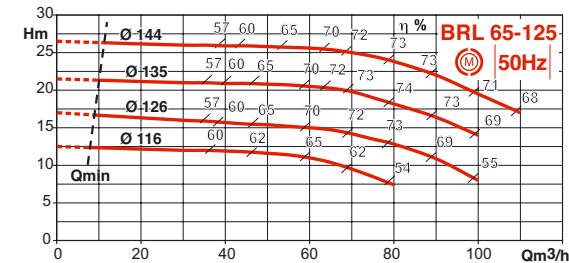
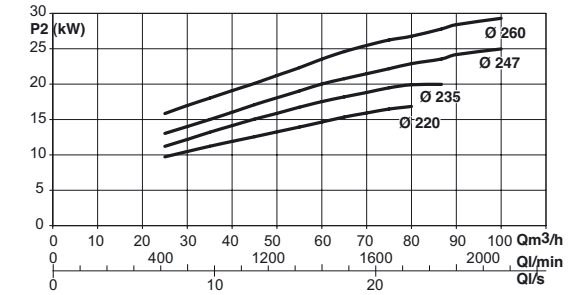
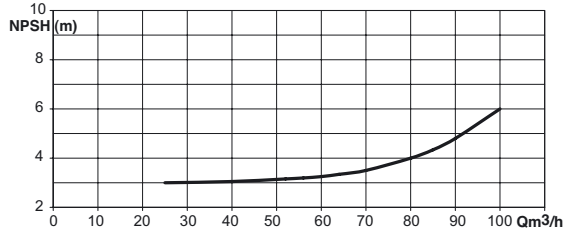
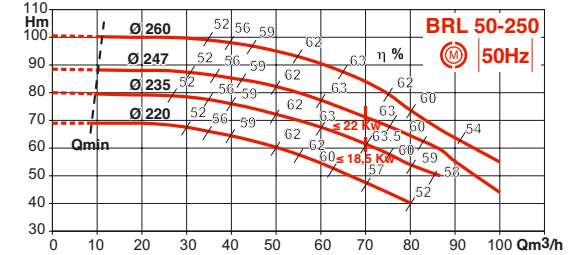
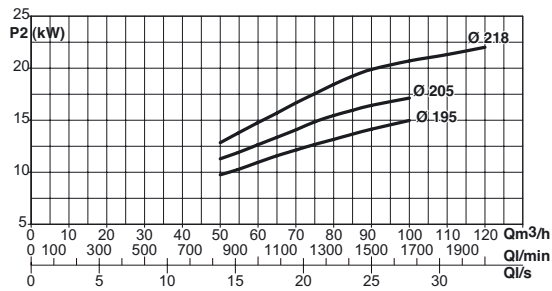
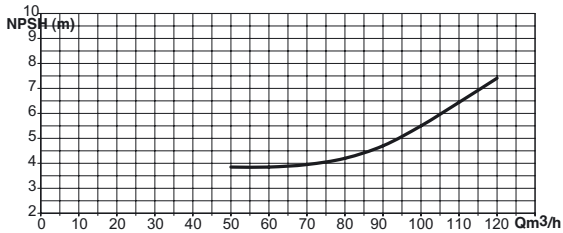
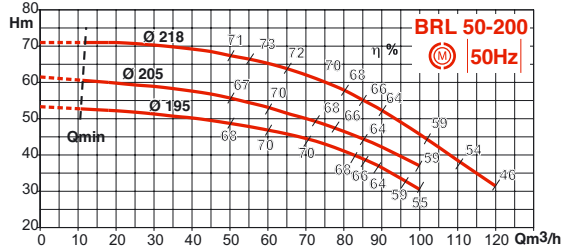
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 2 PÔLES



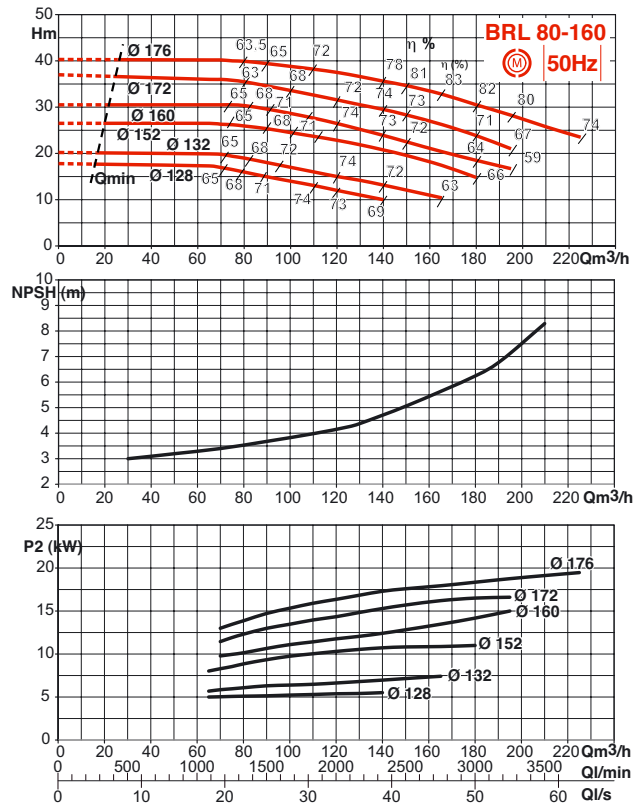
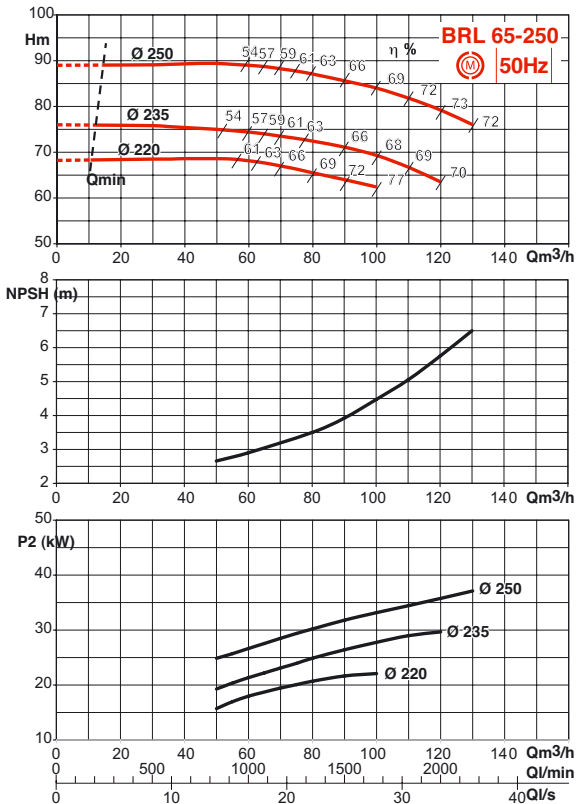
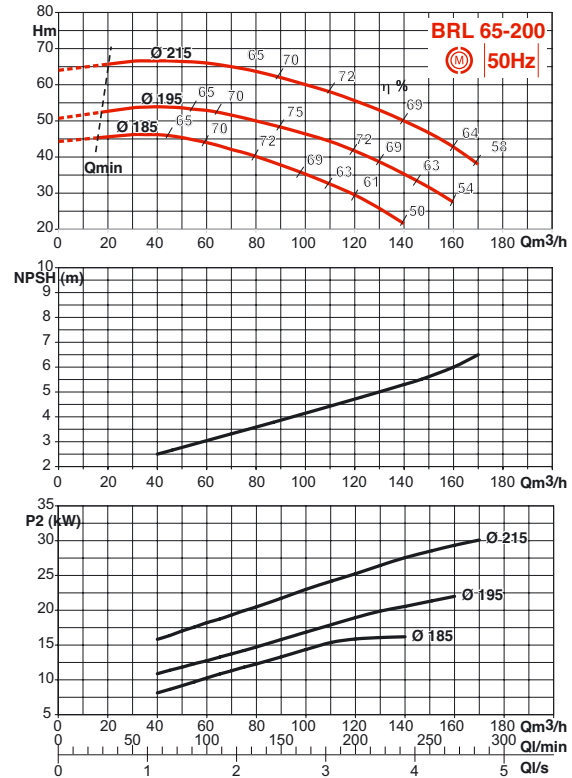
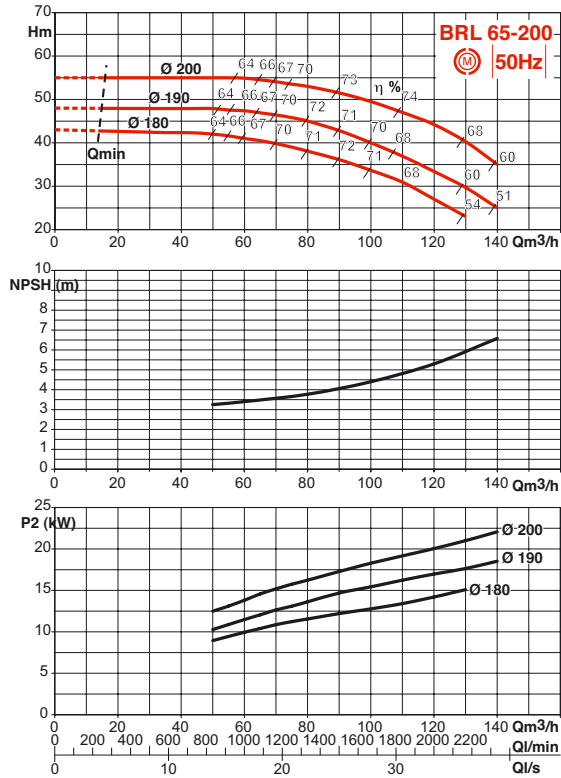
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 2 PÔLES



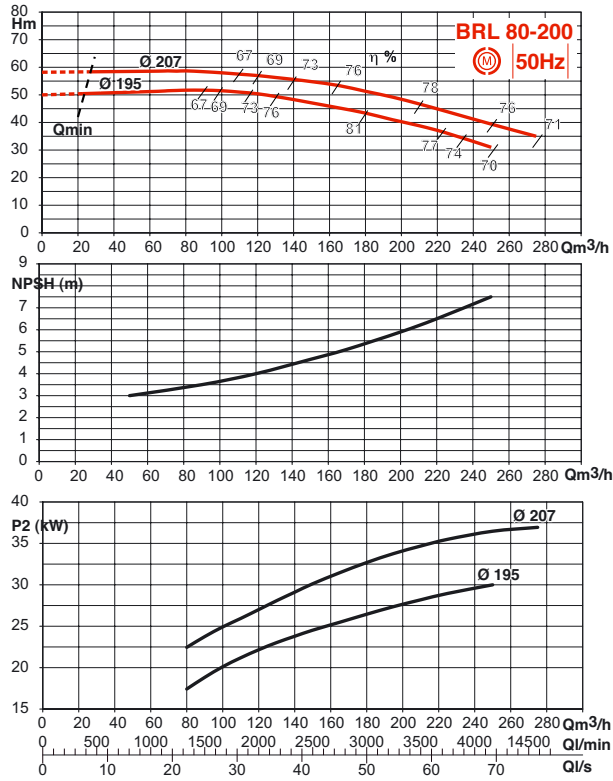
BRL-X / BRL-B

PERFORMANCES HYDRAULIQUES BRL - 2 PÔLES



BRL-X / BRL-B

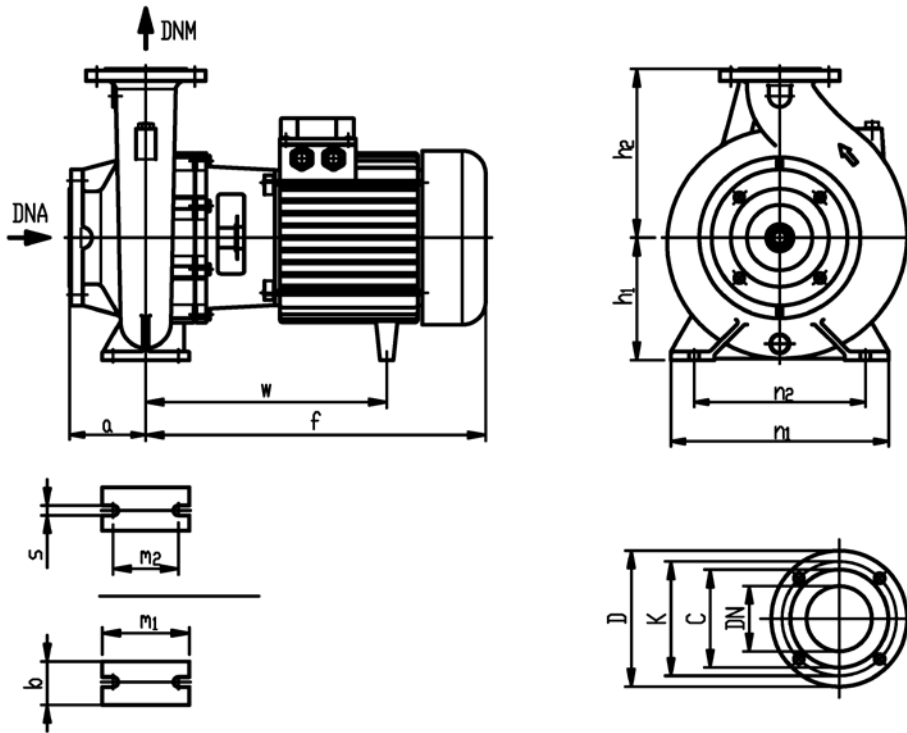
PERFORMANCES HYDRAULIQUES BRL - 2 PÔLES



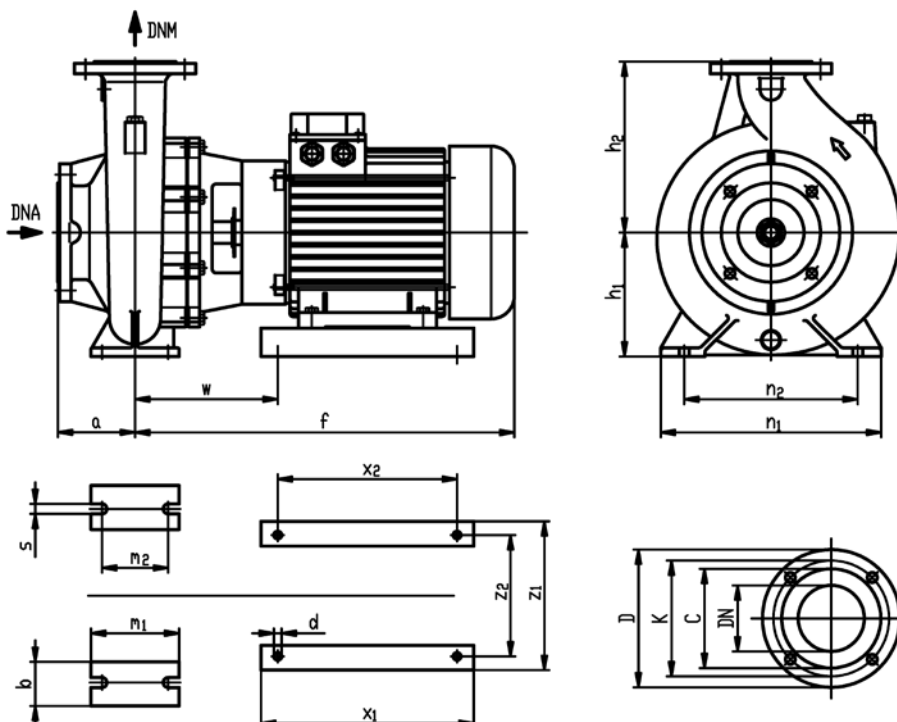
BRL-X / BRL-B

CARACTÉRISTIQUES ÉLECTRIQUES ET DIMENSIONNELLES - MOTEUR 2 ET 4 PÔLES

Puissance nominale du moteur $\leq 7,5$ kW :



Puissance nominale du moteur ≥ 9 kW :

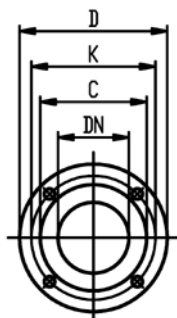


BRL-X / BRL-B

CARACTÉRISTIQUES ÉLECTRIQUES ET DIMENSIONNELLES - MOTEUR 2 PÔLES

* Vérifier la plaque signalétique du moteur pour le réglage du thermique de protection

Référence commande	P2	In (1)	(1)	DNA DNM		f	a	m1	m2	n1	n2	h1	h2	s	b	w	x1	x2	z1	z2	d	masse kg
	kW	A	Cos φ																			
BRL-X(-B) 50-200/15/2-195	15	27,6	0,87	65	50	527,5	102	100	70	265	212	162	202	14	50	148,5	320	280	260	215	12	89
BRL-X(-B) 50-200/17/2-205	17	31	0,87	65	50	527,5	102	100	70	265	212	162	202	14	50	148,5	320	280	260	215	12	90
BRL-X(-B) 50-200/22/2-218	22	41,5	0,85	65	50	650	102	100	70	265	212	162	202	14	50	149,5	410	370	320	255	14	136
BRL-X(-B) 50-250/17/2-220	17	31	0,87	65	50	563,5	100	125	95	320	250	180	225	14	65	184,5	320	280	260	215	12	94
BRL-X(-B) 50-250/18,5/2-235	18,5	31,5	0,89	65	50	650	100	125	95	320	250	180	225	14	65	149,5	320	280	260	215	12	136
BRL-X(-B) 50-250/20/2-235	20	37,8	0,89	65	50	650	100	125	95	320	250	180	225	14	65	149,5	320	280	260	215	12	138
BRL-X(-B) 50-250/22/2-247	22	41,5	0,85	65	50	650	100	125	95	320	250	180	225	14	65	149,5	320	280	260	215	12	140
BRL-X(-B) 50-250/25/2-247	25	45	0,86	65	50	650	100	125	95	320	250	180	225	14	65	149,5	320	280	260	215	12	142
BRL-X(-B) 50-250/30/2-260	30	57,5	0,87	65	50	674,5	100	125	95	320	250	180	225	14	65	139,5	410	370	320	255	14	249
BRL-X(-B) 65-125/3/2-116	3	10,9/6,3	0,83	80	65	370,5	100	125	95	280	212	160	180	14	65	270	-	-	-	-	-	41
BRL-X(-B) 65-125/4/2-126	4	14,4/8,5	0,84	80	65	393	100	125	95	280	212	160	180	14	65	275	-	-	-	-	-	46
BRL-X(-B) 65-125/5,5/2-135	5,5	12,1	0,85	80	65	423,5	100	125	95	280	212	160	180	14	65	305	-	-	-	-	-	52
BRL-X(-B) 65-125/7,5/2-144	7,5	14,2	0,86	80	65	423,5	100	125	95	280	212	160	180	14	65	305	-	-	-	-	-	58
BRL-X(-B) 65-160/9,2/2-153	9,2	18,3	0,85	80	65	489,5	100	125	95	280	212	160	200	14	65	345	-	-	-	-	-	75
BRL-X(-B) 65-160/11/2-164	11	22,3	0,86	80	65	489,5	100	125	95	280	212	160	200	14	65	130,5	320	280	260	215	12	81
BRL-X(-B) 65-160/15/2-174	15	27,6	0,87	80	65	527,5	100	125	95	280	212	160	200	14	65	148,5	320	280	260	215	12	85
BRL-X(-B) 65-200/15/2-180	15	27,6	0,87	80	65	527,5	100	125	95	320	250	180	225	14	65	148,5	320	280	260	215	12	93
BRL-X(-B) 65-200/18,5/2-190	18,5	31,5	0,89	80	65	641	100	125	95	320	250	180	225	14	65	150	410	370	320	255	14	135
BRL-X(-B) 65-200/22/2-200	22	41,5	0,85	80	65	641	100	125	95	320	250	180	225	14	65	150	410	370	320	255	14	141
BRL-X(-B) 65-200/18,5/2-185	18,5	31,5	0,89	80	65	645	100	125	95	320	250	180	225	14	65	149,5	410	370	320	255	14	135
BRL-X(-B) 65-200/22/2-195	22	41,5	0,85	80	65	650	100	125	95	320	250	180	225	14	65	150	410	370	320	255	14	141
BRL-X(-B) 65-200/30/2-215	30	57,5	0,87	80	65	682	100	125	95	320	250	180	225	14	65	154,5	410	370	320	255	14	170
BRL-X(-B) 65-250/22/2-220	22	41,5	0,85	80	65	675,5	100	160	120	360	200	202	250	18	80	192	320	254	309	264	12	245
BRL-X(-B) 65-250/30/2-235	30	57,5	0,87	80	65	687,5	100	160	120	360	200	202	250	18	80	242	410	370	320	255	14	274
BRL-X(-B) 65-250/37/2-250	37	73	0,88	80	65	687,5	100	160	120	360	280	202	252	18	80	255,5	355	305	395	315	18	285
BRL-X(-B) 80-160/5,5/2-128	5,5	12,1	0,85	100	80	428,5	120	125	95	320	250	180	225	14	65	305	-	-	-	-	-	70
BRL-X(-B) 80-160/7,5/2-132	7,5	14,2	0,86	100	80	428,5	120	125	95	320	250	180	225	14	65	305	-	-	-	-	-	83
BRL-X(-B) 80-160/11/2-152	11	22,3	0,86	100	80	489,5	120	125	95	320	250	180	225	14	65	350	-	-	-	-	-	88
BRL-X(-B) 80-160/15/2-160	15	27,6	0,87	100	80	489,5	120	125	95	320	250	180	225	14	65	130,5	320	280	260	215	12	93
BRL-X(-B) 80-160/18,5/2-172	18,5	31,5	0,89	100	80	527,5	120	125	95	320	250	180	225	14	65	148	320	280	260	215	12	137
BRL-X(-B) 80-160/22/2-176	22	41,5	0,85	100	80	650	120	125	95	320	250	180	225	14	65	149	410	370	320	255	14	139
BRL-X(-B) 80-200/30/2-195	30	57,5	0,87	100	80	650	120	125	95	320	250	180	225	14	65	149	410	370	320	255	14	272
BRL-X(-B) 80-200/37/2-207	37	73	0,88	100	80	759,5	120	125	95	345	280	180	250	14	65	234,5	410	370	320	255	14	280

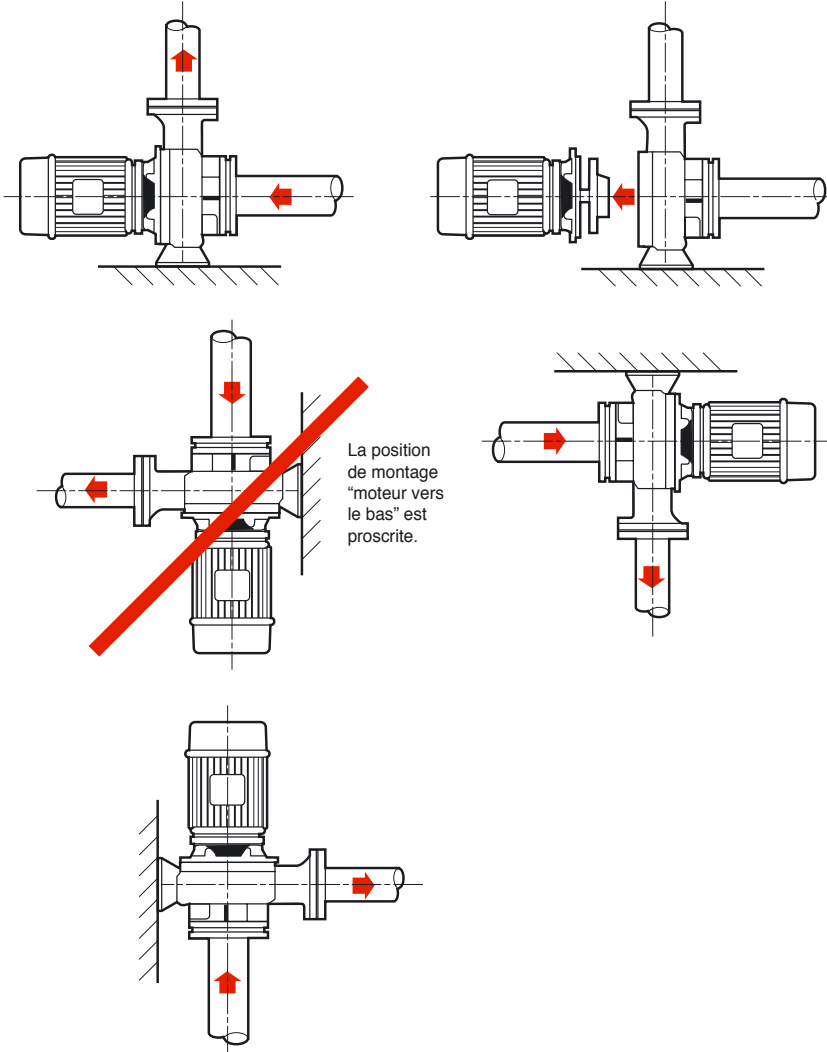


DNA	D	K	C	DN	n x Ø
mm	mm	mm	mm	mm	n x mm
32	165	125	102	50	4 x 18
40	185	145	122	65	4 x 18
50	185	145	122	65	4 x 18
65	200	160	138	80	4 x 18
80	220	180	158	100	8 x 18

DNM	D	K	C	DN	n x Ø
mm	mm	mm	mm	mm	n x mm
32	140	100	78	32	4 x 18
40	150	110	88	40	4 x 18
50	165	125	102	50	4 x 18
65	185	145	122	65	4 x 18
80	200	160	138	80	4 x 18

BRL-X / BRL-B

POSITIONS DE MONTAGE



PARTICULARITÉS

a) Electrique

P2 ≤ 4 kW : triphasé 400 V **Y** 50 Hz
triphase 230 V **Δ** 50 Hz
P2 ≥ 5,5 kW : triphasé 400 V **Δ** 50 Hz.

b) Installation

Montage sur massif, moteur axe horizontal ou vertical vers le haut.

L'installation doit permettre une protection de la pompe contre les intempéries et le gel (pas d'exposition directe à la pluie ou au soleil).

ACCESSOIRES RECOMMANDÉS

- Contre-brides
- Kit de prise de pression
- Discontacteur de protection
- Vannes d'isolement
- Manchettes anti-vibratoires
- Clapets anti-retour.

Garniture mécanique spéciale en option pour eau glycolée de 20 - 40% si température supérieure à 40°C (nous consulter).