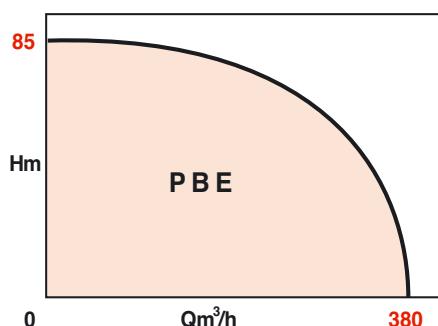


PLAGES D'UTILISATION

Débits jusqu'à :	380 m ³ /h
Hauteurs mano. jusqu'à :	85 m
Plage température fluide :	- 20 ° à +140°C
Hauteurs mano. jusqu'à :	85 m
Pression service jusqu'à :	13 bar jusqu'à +140°C 16 bar jusqu'à +120°C
DN aspiration jusqu'à :	125 mm
DN refoulement jusqu'à :	125 mm
PN brides :	16 bar
MEI* de référence :	≥ 0,10

*Minimum Efficiency Index



AVANTAGES

- Régulation Δp -c (capteur externe en option), PID (via un capteur approprié) et n-constante
- Large couverture de performance hydraulique (750-2900 tr/min et 380-1450 tr/min)
- Interface identique aux pompes SIE, DIE, LRE et JRE
- Un seul bouton pour la navigation et paramètres visibles sur l'écran LCD
- Interfaces 0-10 V, 2-10 V, 0-20 mA, 4-20 mA pour la comptabilité avec la majorité des organes de commande
- Communication bus grâce aux modules IF embrochables (en option)
- Verrouillage des paramètres par un switch DIP
- Signaux des relais configurables en SSM et SBM pour une intégration optimale dans la GTC
- Sonde PTC intégrée pour la protection intensités (relais thermique non nécessaire)
- Fonctionnement en pompe double avec contrôle par une pompe maître
- Revêtement cataphorèse pour une protection anticorrosion
- Rainures d'évacuation des condensants pour une utilisation en eau glacée

N.T. N° 125-9/FR. - Éd.6/12-15

PBE

POMPES MONOBLOC HORIZONTALES NORMALISÉES

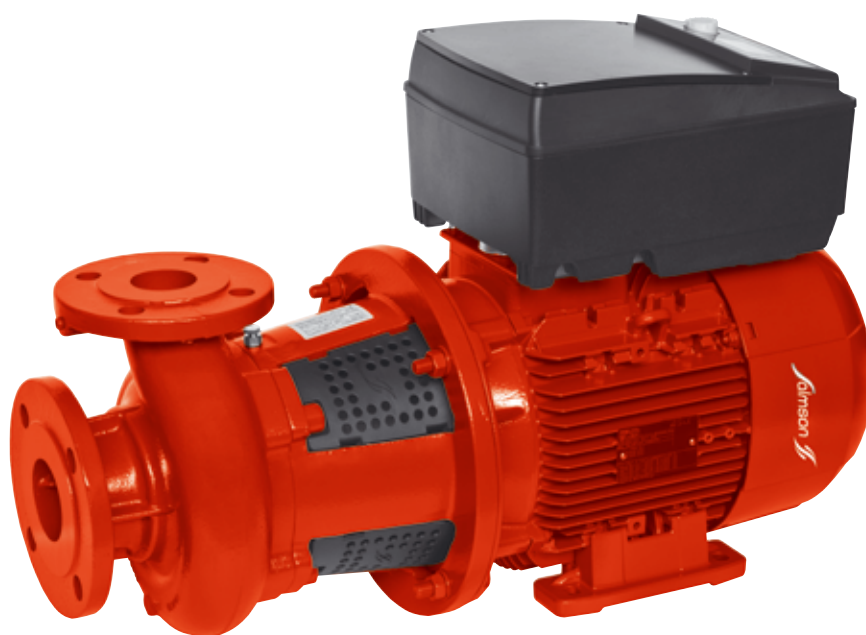
Chauffage - climatisation Adduction - surpression

50 Hz

Norme A.C.S. : nous consulter

APPLICATIONS

- Circulation d'eau chaude suivant VDI2035 ou d'eau froide
- Circuits d'eau glacée ou glycolée jusqu'à 40% de glycol et température 40°C
- Circuits d'eau de refroidissement
- Irrigation, lavage
- Vidange, remplissage, surpression
- Toutes industries où il s'agit de pomper des liquides clairs, non abrasifs et chimiquement neutres.



Génie climatique
Pompes à rotor sec

CONCEPTION

• Partie hydraulique

- Pompe centrifuge monocellulaire monobloc horizontale normalisée.
- Raccordement à brides normalisées
- Roue fermée
- Aspiration axiale et refoulement vertical

• Etanchéité

- Garniture mécanique normalisée

• Moteur

- Accouplement rigide
- Moteur ventilé IE2

Alimentation réseau : ~400 V, 50/60 Hz

Classe d'isolation : 155 (F)

Indice de protection : IP55

Emission : EN 61800-3

Immunité : EN 61800-3

• Variateur de vitesse

- Ecran LCD
- Réglage par un bouton unique

IDENTIFICATION

PBE 203 - 14 / 2,2 - R1

Gammes de produits

Nombre de pôles

Diamètre nominal de la bride de refoulement

03 : 32mm

04 : 45mm

05 : 50 mm

06 : 65 mm

08 : 80 mm

10 : 100 mm

12 : 125 mm

Diamètre nominal de la roue en mm

Puissance P2 en kW

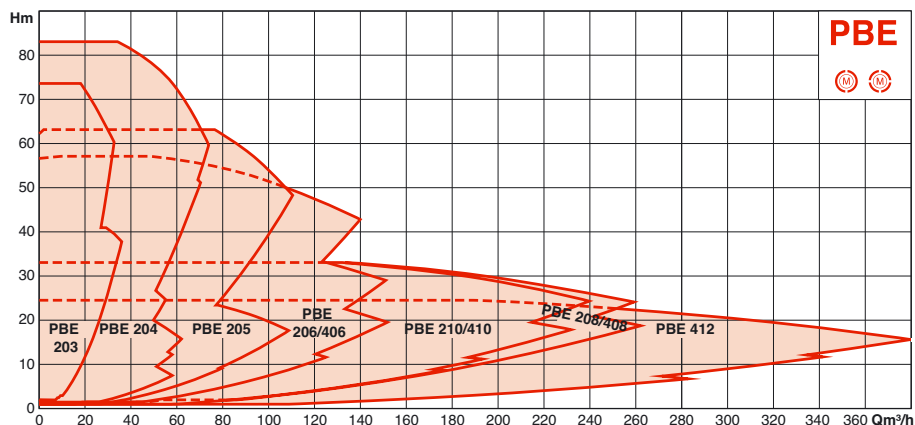
Sans capteur de pression

CONSTRUCTION DE BASE

Pièces principales	Matériau
Corps de pompe	Fonte EN-GJL-250 ou fonte sphéroïdale EN-GJS-400-18-LT*
Lanterne	Fonte EN-GJL-250 ou fonte sphéroïdale EN-GJS-400-18-LT*
Arbre moteur	Inox 1.4122
Roue	Fonte EN-GJL-200 ou bronze G-CuSn 10*
Garniture mécanique	AQEGG

* Options, nous consulter

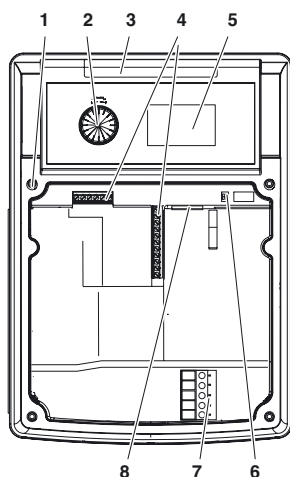
ABaque PRÉSÉLECTION



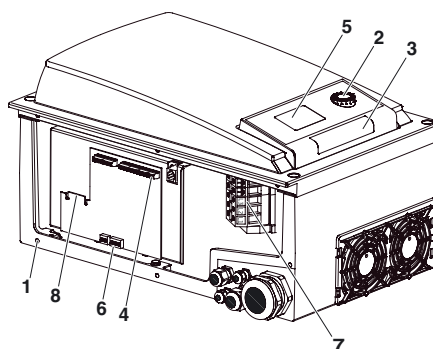
VARIATION ÉLECTRONIQUE DE VITESSE

Description

1,5 - 7,5 kW



11 - 22 kW



- 1 Fixation du couvercle
- 2 Bouton de contrôle
- 3 Fenêtre communication infra-rouge
- 4 Connecteurs de commande
- 5 Affichage
- 6 Interrupteurs
- 7 Bornier de puissance
- 8 Interface pour les modules IF

Fonctionnalités

Modes automatiques

- Δp -c pour pression différentielle constante (avec un DDG externe)
- Contrôle PID
- Mode réglage manuel ($n = \text{constant}$)

Sécurité

- Protection moteur intégrale avec déclencheur électronique intégré
- Verrouillage d'accès

Réglages manuelles

- Réglage de la consigne de pression différentielle
- Réglage de la vitesse de rotation (mode réglage)
- Réglage du mode de fonctionnement
- Réglage de la pompe sur MARCHE/ARRET
- Configuration de tous les paramètres de fonctionnement
- Acquiescement des défauts

Pilotage pompes doubles (pompe double ou 2 pompes simples)

- Mode de fonctionnement principal/de réserve (permutation automatique en cas de défaut)
- Mode de fonctionnement principal/de réserve permutation des pompes au bout de 24 heures
- Marche parallèle
- Marche parallèle (avec optimisation du rendement en fonction des besoins)

Fonctions de commandes externes

- Entrée de commande « Priorité Off ».
- Entrée de commande « Permutation des pompes externe » (uniquement active en mode double pompe).
- Entrée analogique 0-10 V, 0-20 mA pour mode réglage (DDC) et réglage à distance de la valeur de consigne.

- Entrée analogique 2-10 V, 4-20 mA pour mode réglage (DDC) et réglage à distance de la valeur de consigne.
- Entrée analogique 0-10 V pour le signal valeur réelle du capteur de pression.
- Entrée analogique 2-10 V, 0-20 mA, 4-20 mA pour signal valeur réelle du capteur de pression.

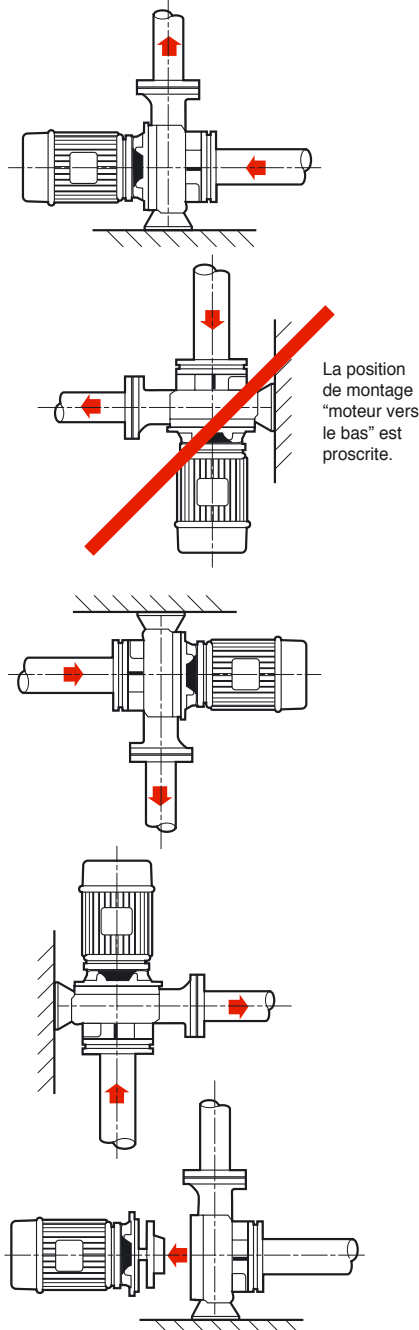
Signalisation et affichage

- Report de défauts centralisé SSM.
- Report de marche centralisé SBM.

Echange de données

Interface infrarouge pour l'échange de données sans fil avec le Pump Control.
Emplacement pour modules IF Salmson (Modbus, BACnet, CAN, PLR, LON) pour la connexion à la gestion technique centralisée
Interface pour le pilotage pompes doubles.

POSITIONS DE MONTAGE



ACCESSOIRES RECOMMANDES

• **Kit capteur de pression différentielle** pour les versions R1, mesure de 0 à 10 bar, sortie 0-10 V (à installer à l'aspiration et au refoulement de la pompe sur une longueur droite).

Kit composé de :

- Capteur de pression différentiel avec câble de 2 m,
- Capillaire cuivre de Ø 3 mm et de longueur 2 m,
- Accessoires de montage

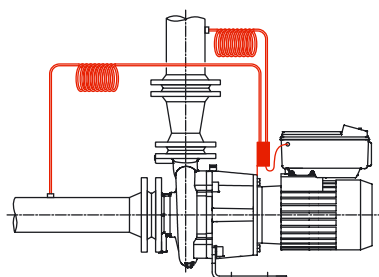
Pompe		Kit capteur de pression	
Référence	Désignation	Référence	Désignation
2126163	PBE203-14/2.2-R1	2137283	DDG40-9 PBE
2126164	PBE203-15/3-R1	2137283	DDG40-9 PBE
2126165	PBE203-16/4-R1	2137283	DDG40-9 PBE
2126166	PBE203-17/5.5-R1	2137286	DDG60-5 PBE
2126167	PBE203-21/7.5-R1	2137288	DDG100-2 PBE
2126168	PBE203-22/11-R1	2137289	DDG100-3 PBE
2126169	PBE204-11/1.5-R1	2137280	DDG20-10 PBE
2126170	PBE204-12/2.2-R1	2137280	DDG20-10 PBE
2126171	PBE204-13/3-R1	2137283	DDG40-9 PBE
2126172	PBE204-14/4-R1	2137283	DDG40-9 PBE
2126173	PBE204-16/5.5-R1	2137284	DDG40-10 PBE
2126174	PBE204-17/7.5-R1	2137286	DDG60-5 PBE
2126175	PBE204-18/7.5-R1	2137286	DDG60-5 PBE
2126176	PBE204-21/11-R1	2137287	DDG60-6 PBE
2126177	PBE204-22/15-R1	2137289	DDG100-3 PBE
2113494	PBE204-23/18.5-R1	2137289	DDG100-3 PBE
2126178	PBE204-24/22-R1	2137289	DDG100-3 PBE
2126179	PBE205-11/3-R1	2137280	DDG20-10 PBE
2126180	PBE205-12/4-R1	2137280	DDG20-10 PBE
2126181	PBE205-13/5.5-R1	2137284	DDG40-10 PBE
2126182	PBE205-14/7.5-R1	2137284	DDG40-10 PBE
2126183	PBE205-15/7.5-R1	2137284	DDG40-10 PBE
2126184	PBE205-17/11-R1	2137287	DDG60-6 PBE
2126185	PBE205-20/15-R1	2137287	DDG60-6 PBE
2126186	PBE205-21/18.5-R1	2137287	DDG60-6 PBE
2126187	PBE205-22/22-R1	2137289	DDG100-3 PBE
2126188	PBE405-27/5.5-R1	2137284	DDG40-10 PBE
2126189	PBE206-12/4-R1	2137280	DDG20-10 PBE
2126190	PBE206-13/5.5-R1	2137281	DDG20-11 PBE
2126191	PBE206-14/7.5-R1	2137284	DDG40-10 PBE
2126192	PBE206-16/11-R1	2137285	DDG40-11 PBE
2126193	PBE206-17/15-R1	2137285	DDG40-11 PBE
2126194	PBE206-19/18.5-R1	2137287	DDG60-6 PBE
2126195	PBE206-21/22-R1	2137287	DDG60-6 PBE
2126196	PBE406-24/5.5-R1	2137284	DDG40-10 PBE
2113533	PBE406-26.5/7.5-R1	2137284	DDG40-10 PBE
2126197	PBE208-14.5/11-R1	2137285	DDG40-11 PBE
2126198	PBE208-15/15-R1	2137285	DDG40-11 PBE
2126199	PBE208-16/18.5-R1	2137285	DDG40-11 PBE
2126200	PBE208-16.5/22-R1	2137285	DDG40-11 PBE
2126201	PBE408-22/5.5-R1	2137281	DDG20-11 PBE
2126202	PBE408-25/7.5-R1	2137284	DDG40-10 PBE
2126203	PBE408-27/11-R1	2137285	DDG40-11 PBE
2126204	PBE410-20/5.5-R1	2137281	DDG20-11 PBE
2126205	PBE410-22/7.5-R1	2137281	DDG20-11 PBE
2126206	PBE410-25/11-R1	2137282	DDG20-12 PBE
2126207	PBE410-27/15-R1	2137285	DDG40-11 PBE
2126208	PBE410-30.5/18.5-R1	2137285	DDG40-11 PBE
2126209	PBE410-31.5/22-R1	2137285	DDG40-11 PBE
2126210	PBE412-18.5/5.5-R1	2137281	DDG20-11 PBE
2126211	PBE412-21/7.5-R1	2137281	DDG20-11 PBE
2126212	PBE412-22.5/11-R1	2137282	DDG20-12 PBE
2126213	PBE412-25/15-R1	2137282	DDG20-12 PBE
2126214	PBE412-26/18.5-R1	2137285	DDG40-11 PBE
2126215	PBE412-27/22-R1	2137285	DDG40-11 PBE

Nota : il ne doit pas être raccordé sur les bossages de la pompe tels que les LRE/JRE.

PARTICULARITÉS

• Installation

- Pour cette gamme l'installation en extérieur est interdite.



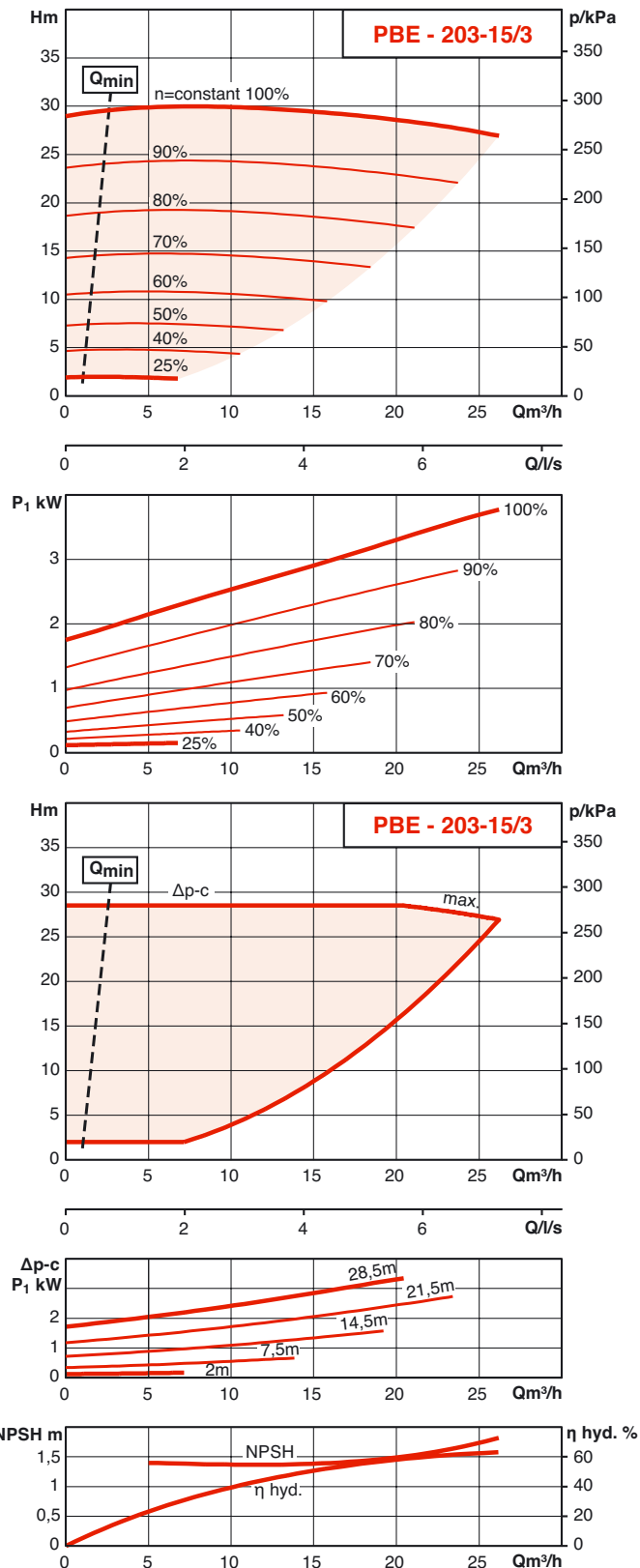
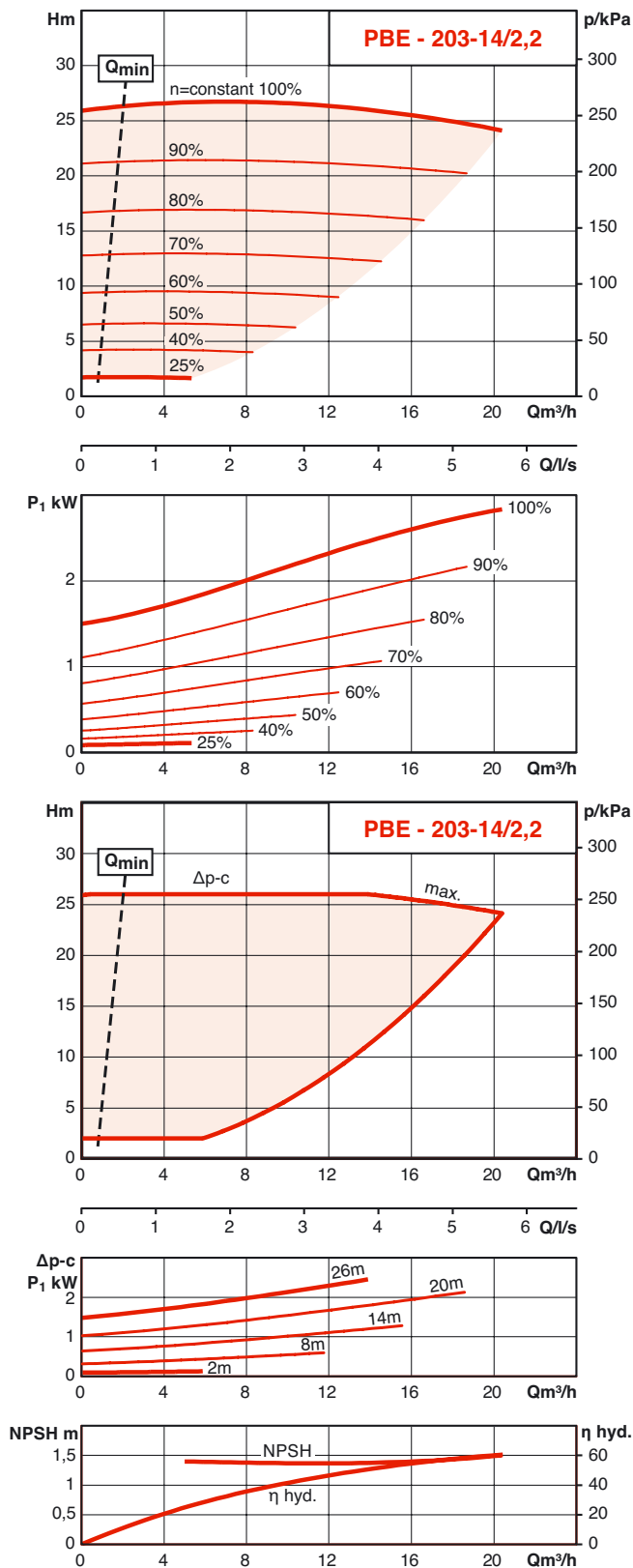
CARACTERISTIQUES – MOTEUR ≤ 4KW

Code article	Désignation	Puissance nominale moteur kW	Intensité nominale (A)	Plage de vitesse (tr/min)	Niveau rendement moteur	DN1	DN2	Masse nette (kg)
						aspiration (mm)	refoulement (mm)	
2126163	PBE203-14/2.2-R1	2,2	7,3	750-2900	IE2	50	32	57
2126164	PBE203-15/3-R1	3	9	750-2900	IE2	50	32	66
2126165	PBE203-16/4-R1	4	11,7	750-2900	IE2	50	32	73
2126169	PBE204-11/1.5-R1	1,5	5,6	750-2900	IE2	65	40	52
2126170	PBE204-12/2.2-R1	2,2	7,2	750-2900	IE2	65	40	53
2126171	PBE204-13/3-R1	3	8,9	750-2900	IE2	65	40	60
2126172	PBE204-14/4-R1	4	11,3	750-2900	IE2	65	40	70
2126179	PBE205-11/3-R1	3	8,8	750-2900	IE2	65	50	66
2126180	PBE205-12/4-R1	4	11,5	750-2900	IE2	65	50	73
2126189	PBE206-12/4-R1	4	10,7	750-2900	IE2	80	65	78

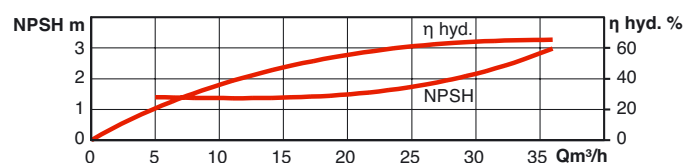
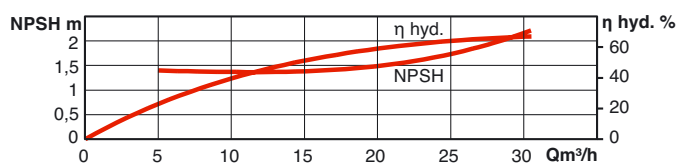
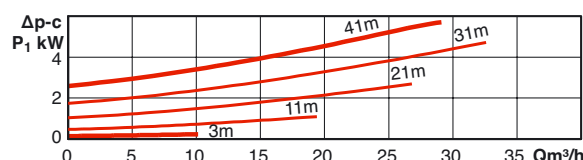
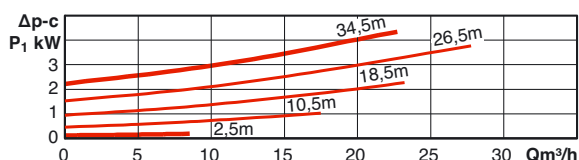
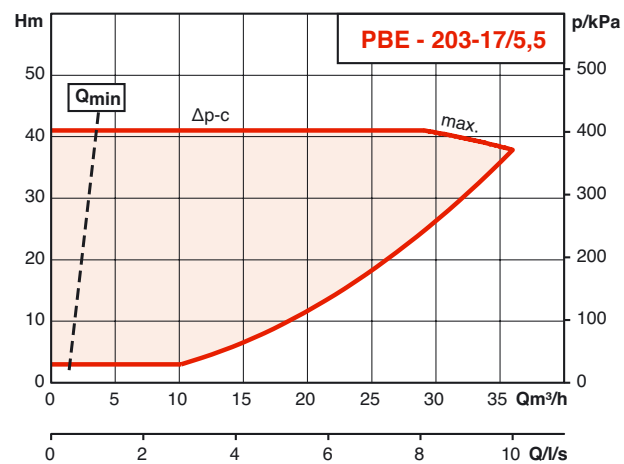
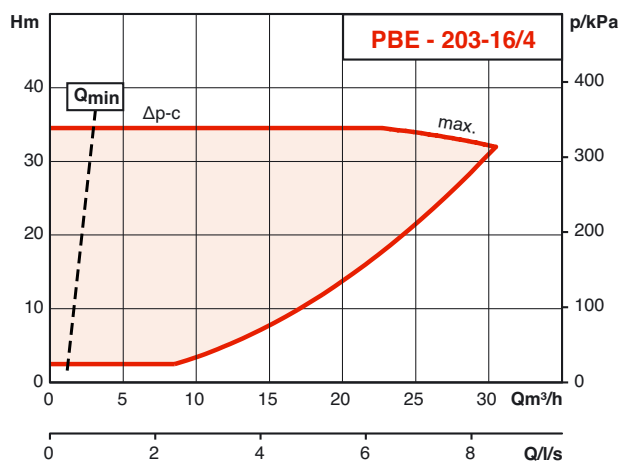
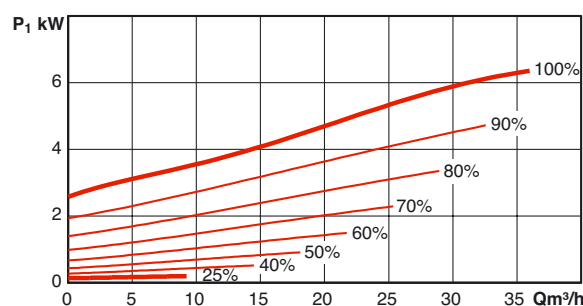
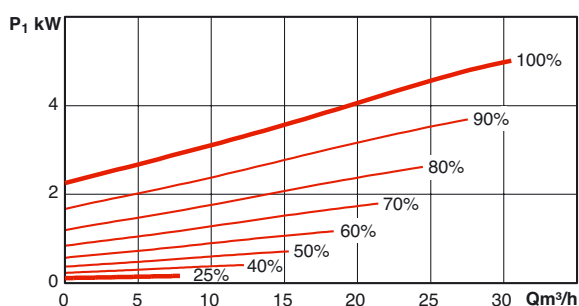
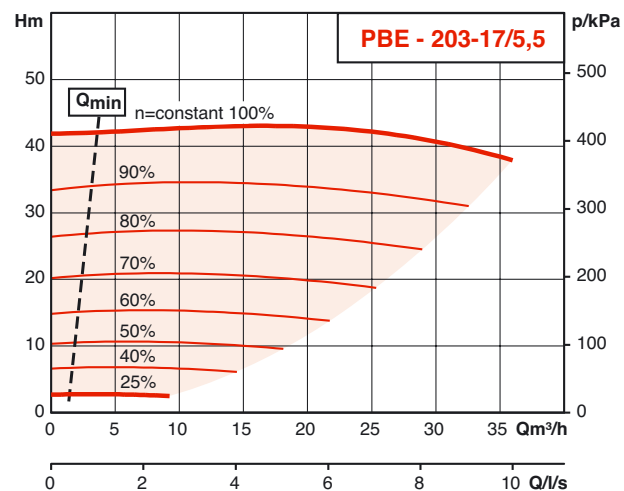
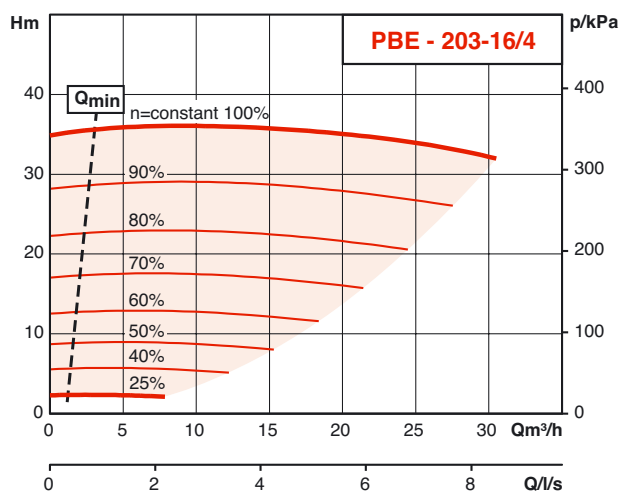
CARACTERISTIQUES – MOTEUR < 5KW

Code article	Désignation	Puissance nominale moteur kW	Intensité nominale (A)	Plage de vitesse (tr/min)	Niveau rendement moteur	DN1	DN2	Masse nette (kg)
						aspiration (mm)	refoulement (mm)	
2126166	PBE203-17/5.5-R1	5,5	10,5	750-2900	IE2	50	32	95
2144338	PBE203-21/7.5-R1	7,5	13,5	750-2900	IE2	50	32	107
2154324	PBE203-22/11-R1-IE4	11	19,6	750-2900	IE4	50	32	192
2126173	PBE204-16/5.5-R1	5,5	11	750-2900	IE2	65	40	97
2126174	PBE204-17/7.5-R1	7,5	14	750-2900	IE2	65	40	101
2126175	PBE204-18/7.5-R1	7,5	14,1	750-2900	IE2	65	40	111
2154325	PBE204-21/11-R1-IE4	11	19,4	750-2900	IE4	65	40	195
2154326	PBE204-22/15-R1-IE4	15	24,2	750-2900	IE4	65	40	204
2154327	PBE204-23/18.5-R1-IE4	18,5	29,7	750-2900	IE4	65	40	260
2154328	PBE204-24/22-R1-IE4	22	36,5	750-2900	IE4	65	40	269
2126181	PBE205-13/5.5-R1	5,5	10,7	750-2900	IE2	65	50	92
2126182	PBE205-14/7.5-R1	7,5	13,8	750-2900	IE2	65	50	96
2126183	PBE205-15/7.5-R1	7,5	14,3	750-2900	IE2	65	50	103
2154329	PBE205-17/11-R1-IE4	11	19,5	750-2900	IE4	65	50	180
2154330	PBE205-20/15-R1-IE4	15	26,7	750-2900	IE4	65	50	205
2154331	PBE205-21/18.5-R1-IE4	18,5	32	750-2900	IE4	65	50	248
2154332	PBE205-22/22-R1-IE4	22	38,6	750-2900	IE4	65	50	258
2126190	PBE206-13/5.5-R1	5,5	11	750-2900	IE2	80	65	97
2126191	PBE206-14/7.5-R1	7,5	14,1	750-2900	IE2	80	65	101
2154333	PBE206-16/11-R1-IE4	11	19,2	750-2900	IE4	80	65	186
2154334	PBE206-17/15-R1-IE4	15	26	750-2900	IE4	80	65	194
2154335	PBE206-19/18.5-R1-IE4	18,5	31,8	750-2900	IE4	80	65	254
2154336	PBE206-21/22-R1-IE4	22	38	750-2900	IE4	80	65	267
2154337	PBE208-14.5/11-R1-IE4	11	20	750-2900	IE4	100	80	201
2154338	PBE208-15/15-R1-IE4	15	26,3	750-2900	IE4	100	80	209
2154340	PBE208-16.5/22-R1-IE4	22	37,8	750-2900	IE4	100	80	262
2154339	PBE208-16/18.5-R1-IE4	18,5	32,1	750-2900	IE4	100	80	252
2126188	PBE405-27/5.5-R1	5,5	10,7	380-1450	IE2	65	50	119
2126196	PBE406-24/5.5-R1	5,5	10,8	380-1450	IE2	80	65	135
2113533	PBE406-26.5/7.5-R1	7,5	13,9	380-1450	IE2	80	65	142
2144343	PBE408-22/5.5-R1	5,5	10,2	380-1450	IE2	100	80	126
2144344	PBE408-25/7.5-R1	7,5	13,4	380-1450	IE2	100	80	144
2154341	PBE408-27/11-R1-IE4	11	18,8	380-1450	IE4	100	80	261
2144346	PBE410-20/5.5-R1	5,5	10	380-1450	IE2	125	100	133
2144347	PBE410-22/7.5-R1	7,5	13,5	380-1450	IE2	125	100	140
2154342	PBE410-25/11-R1-IE4	11	19,1	380-1450	IE4	125	100	275
2154343	PBE410-27/15-R1-IE4	15	25,3	380-1450	IE4	125	100	292
2154344	PBE410-30.5/18.5-R1-IE4	18,5	30	380-1450	IE4	125	100	396
2154345	PBE410-31.5/22-R1-IE4	22	36,9	380-1450	IE4	125	100	410
2126210	PBE412-18.5/5.5-R1	5,5	11	380-1450	IE2	150	125	168
2126211	PBE412-21/7.5-R1	7,5	14,2	380-1450	IE2	150	125	175
2154346	PBE412-22.5/11-R1-IE4	11	19,1	380-1450	IE4	150	125	290
2154347	PBE412-24.5/15-R1-IE4	15	25,9	380-1450	IE4	150	125	336
2154348	PBE412-26.5/18.5-R1-IE4	18,5	31,8	380-1450	IE4	150	125	393
2154349	PBE412-27.5/22-R1-IE4	22	38	380-1450	IE4	150	125	407

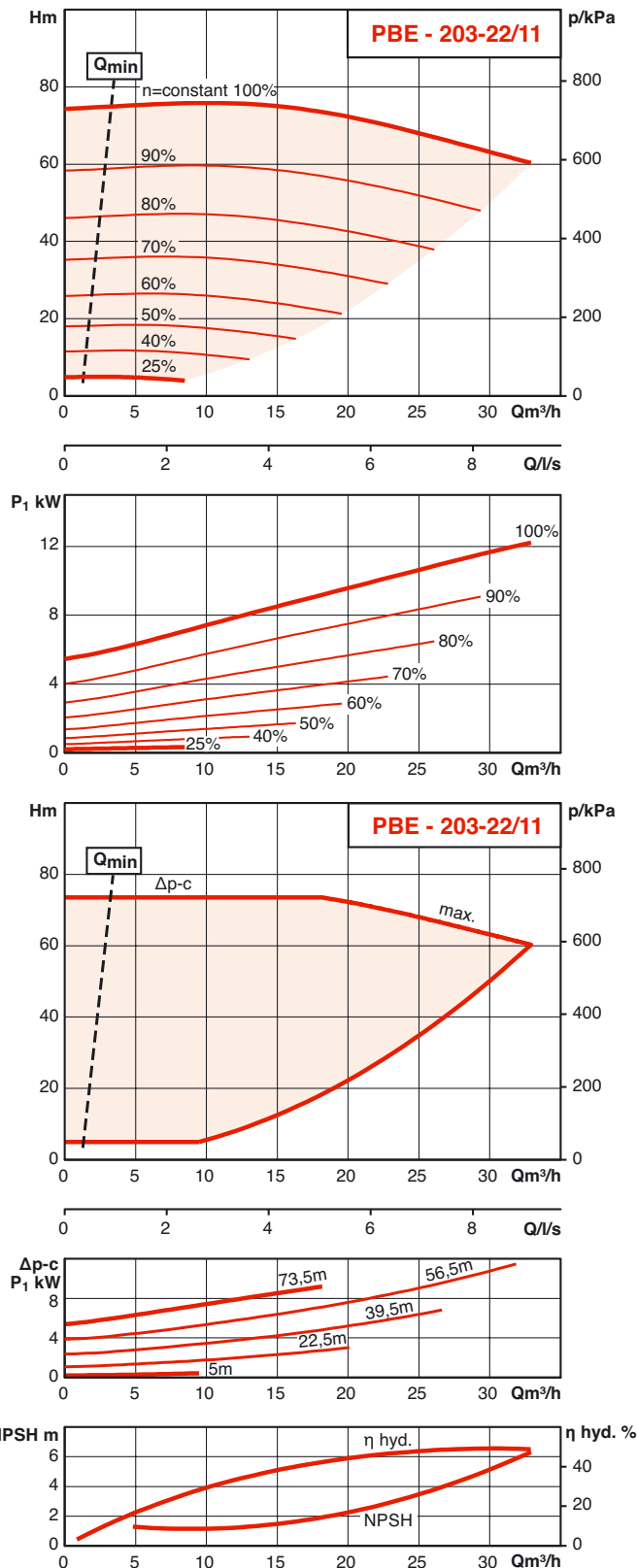
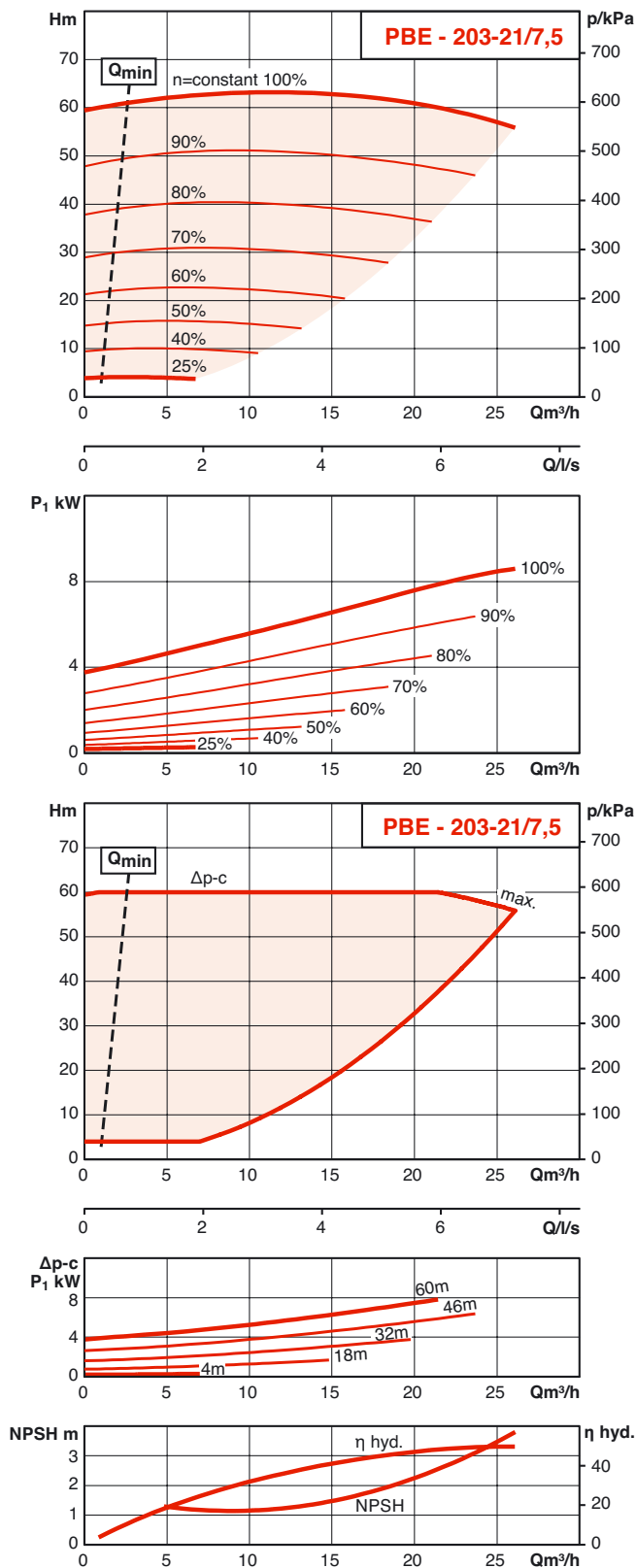
PERFORMANCES HYDRAULIQUES



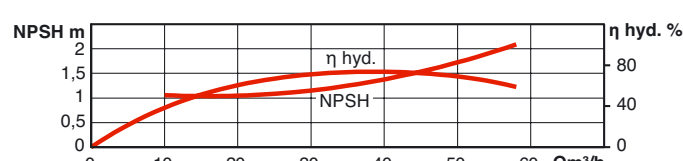
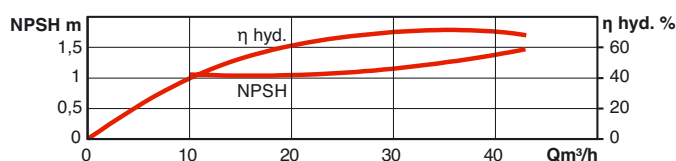
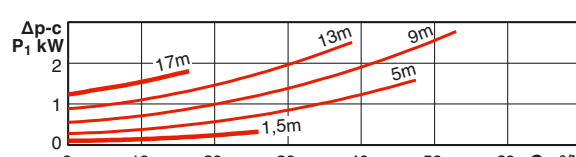
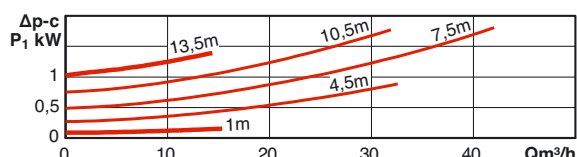
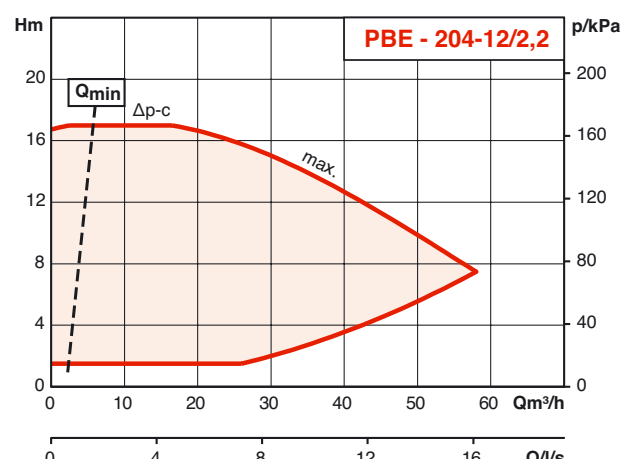
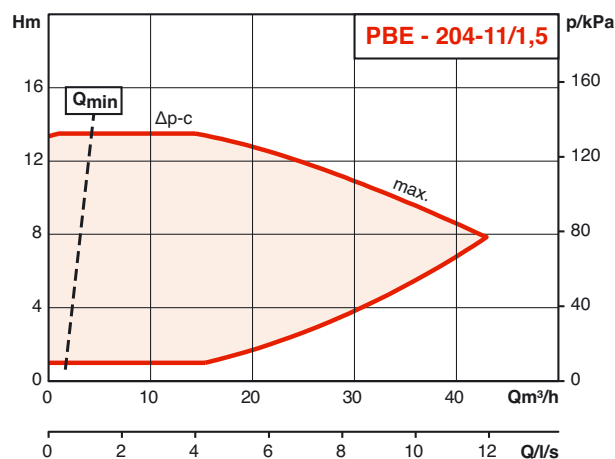
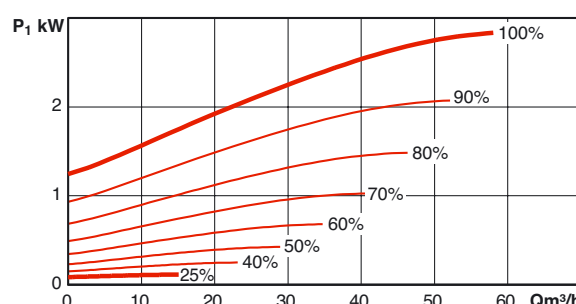
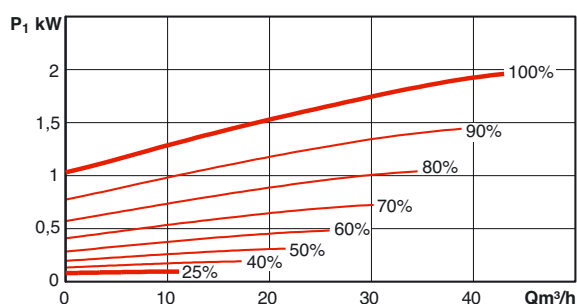
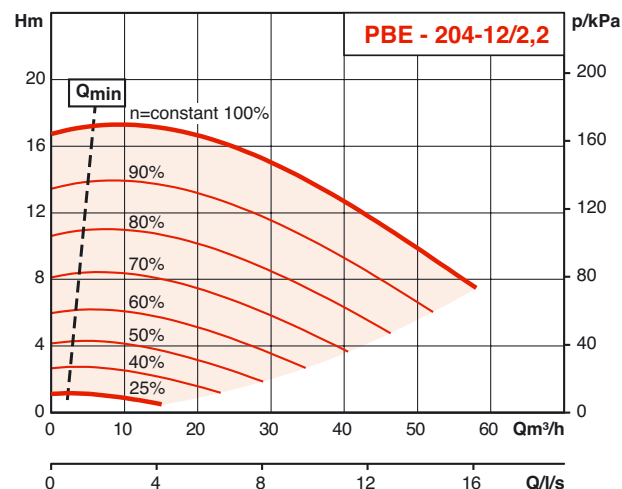
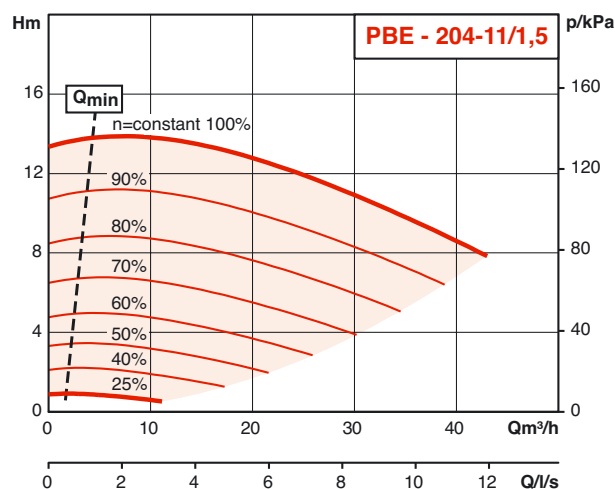
PERFORMANCES HYDRAULIQUES



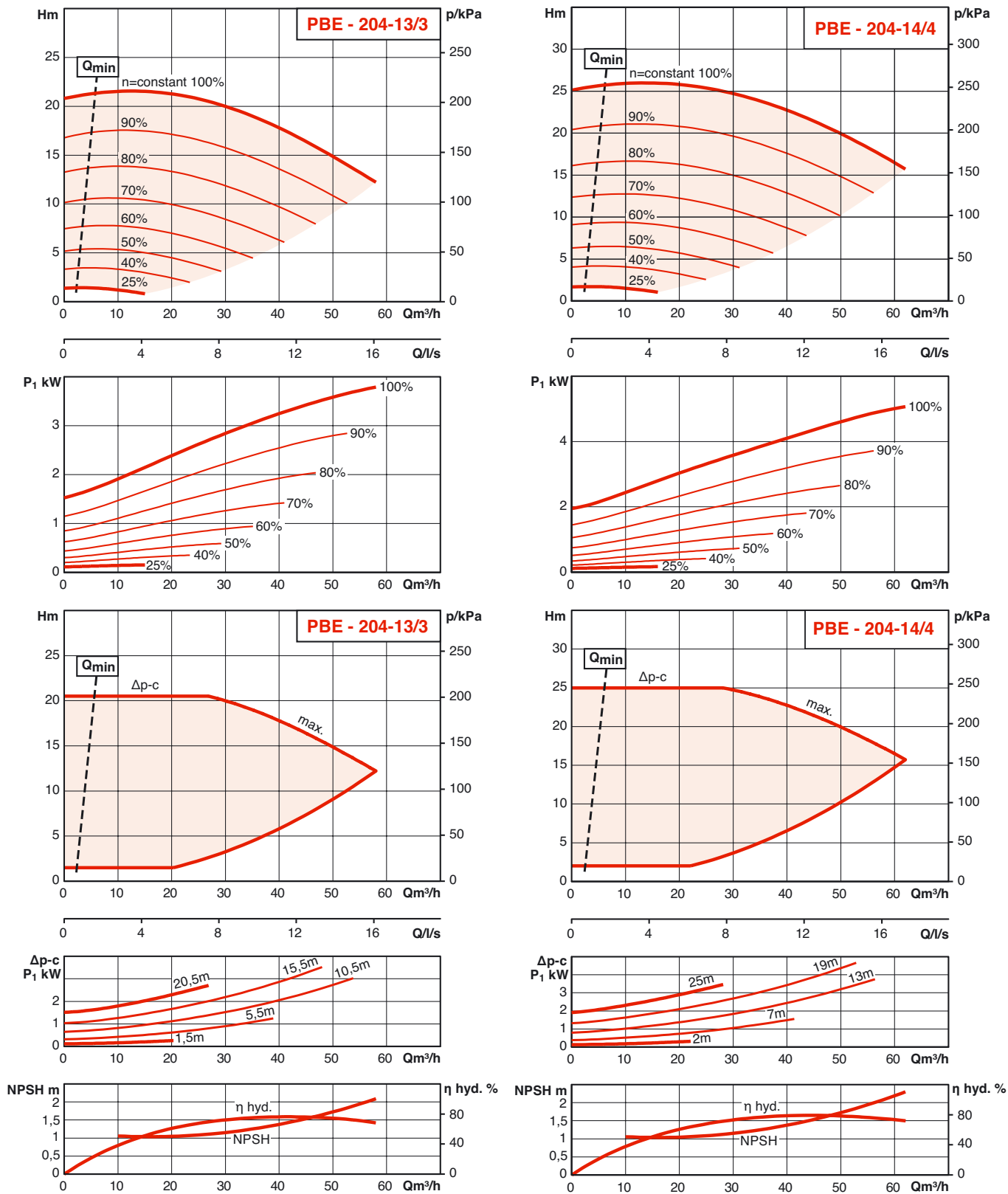
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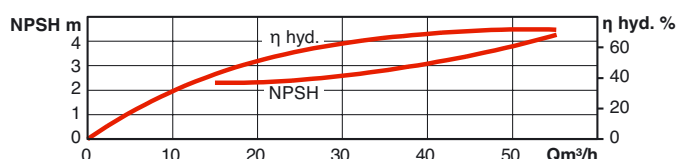
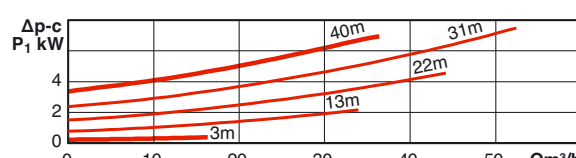
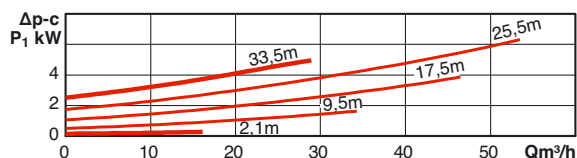
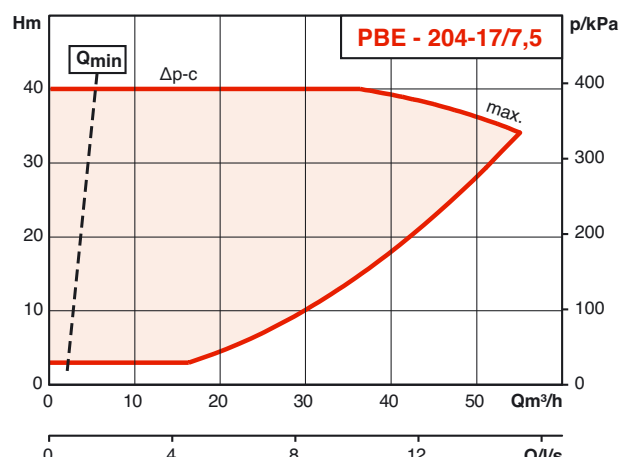
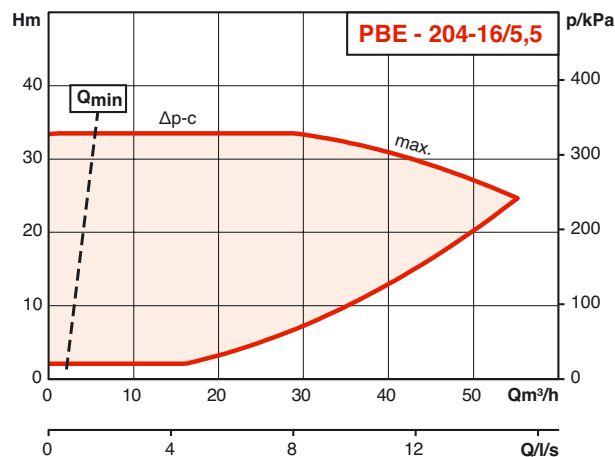
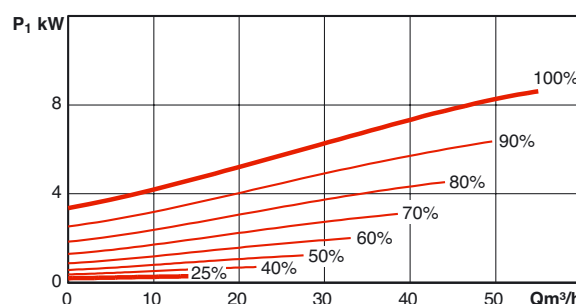
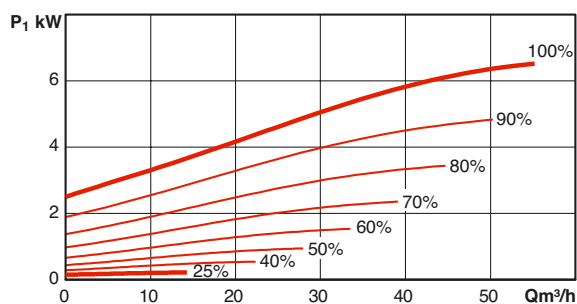
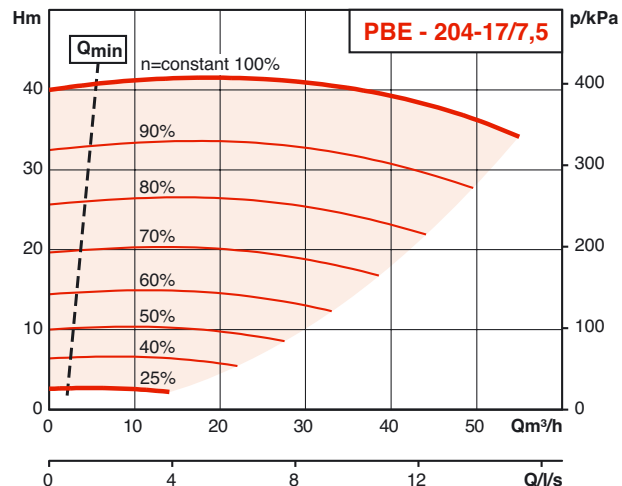
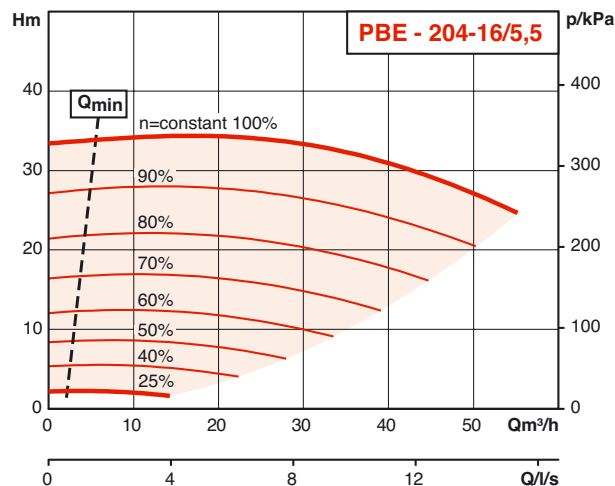
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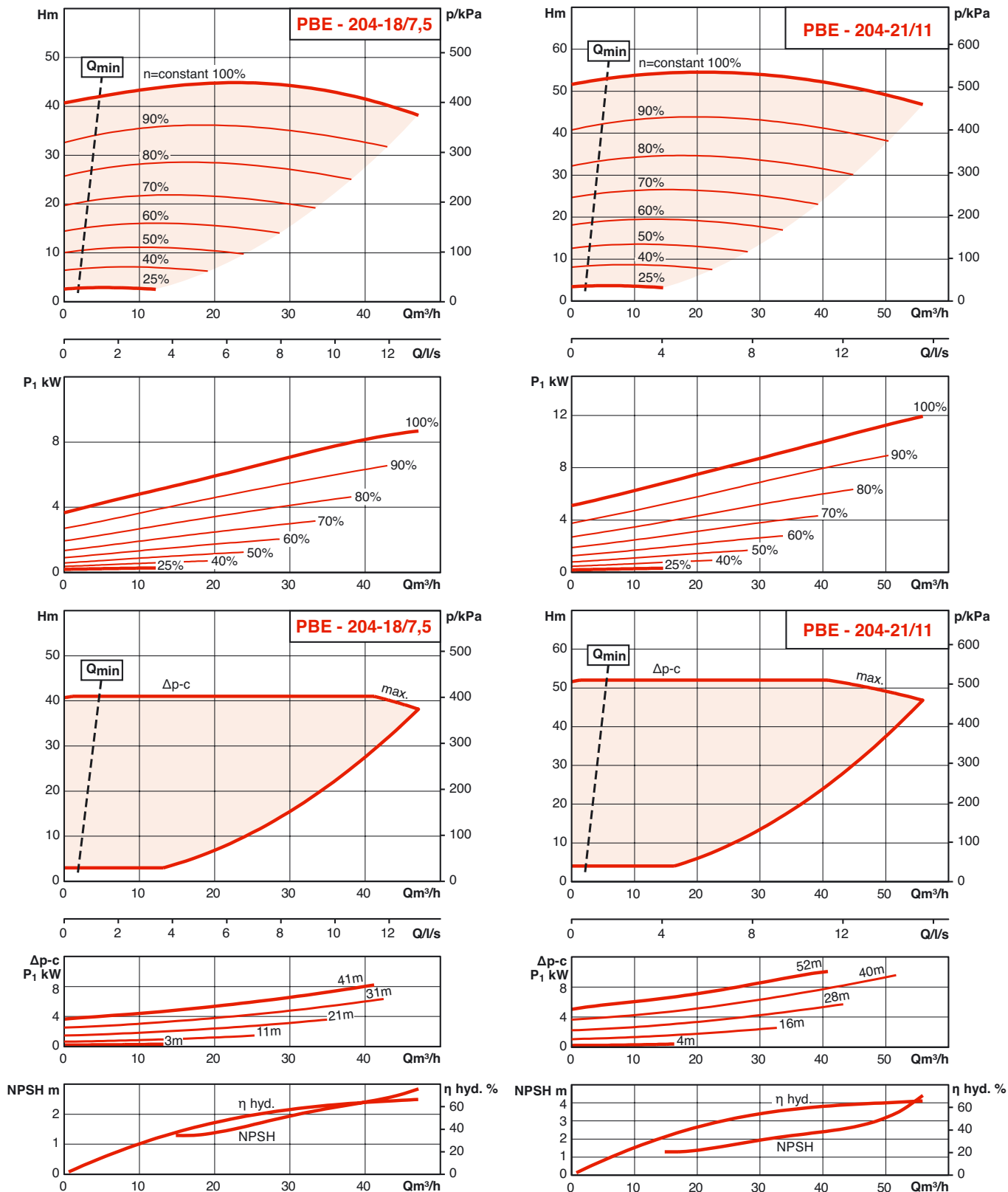
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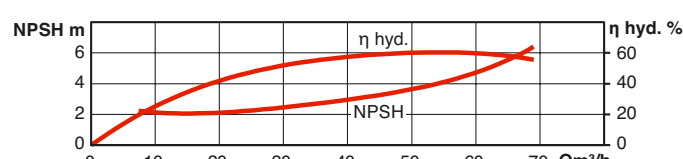
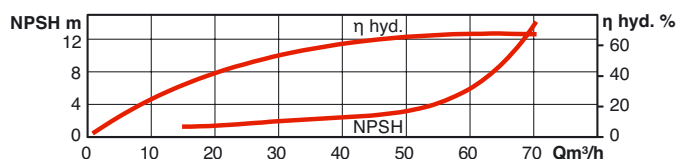
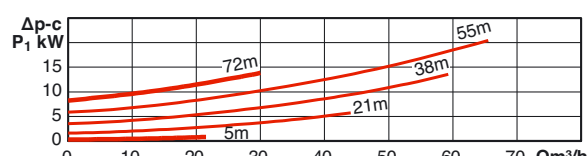
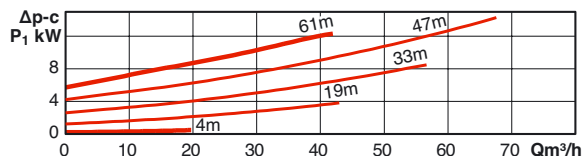
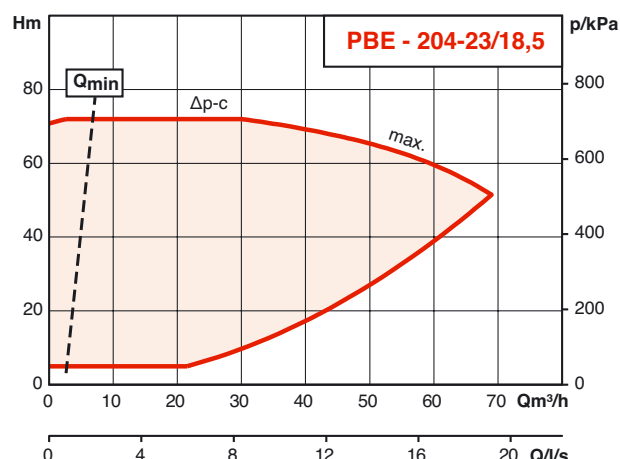
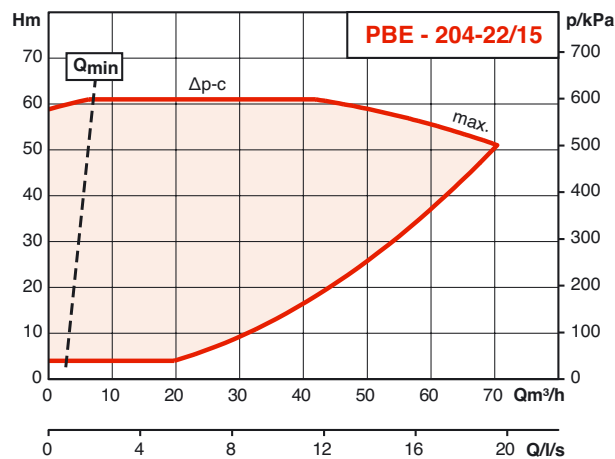
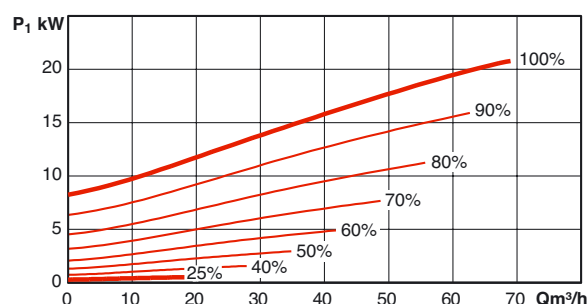
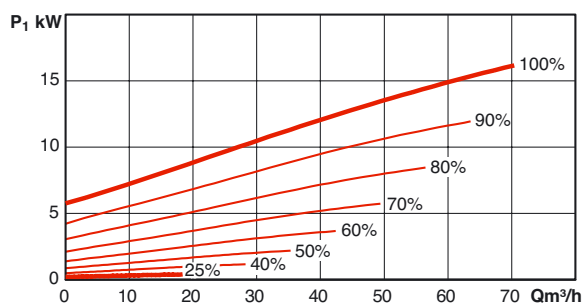
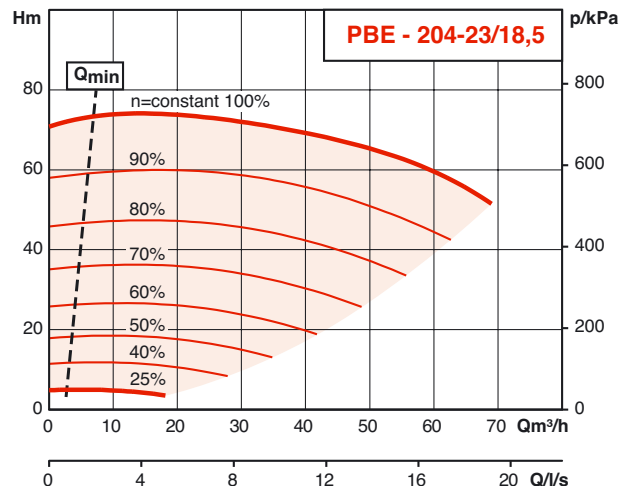
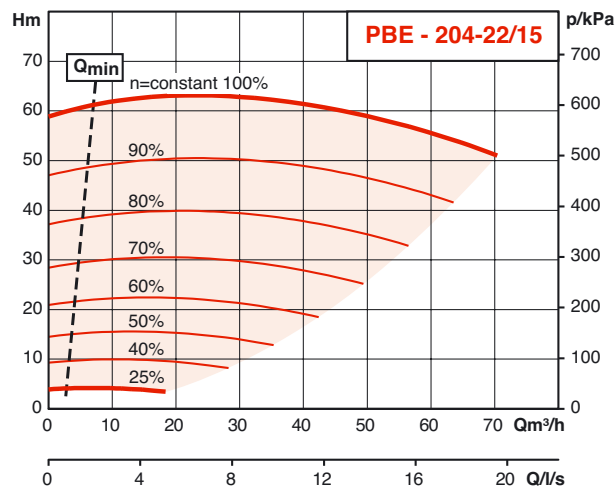
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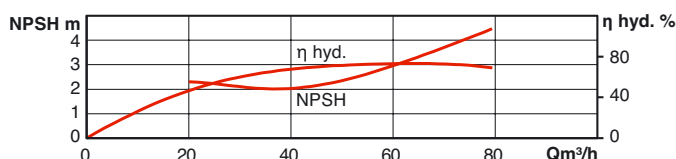
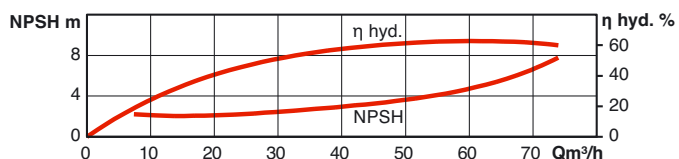
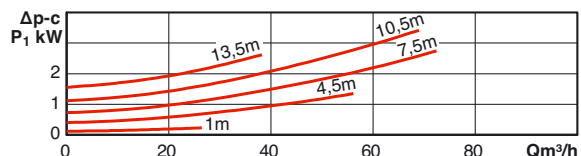
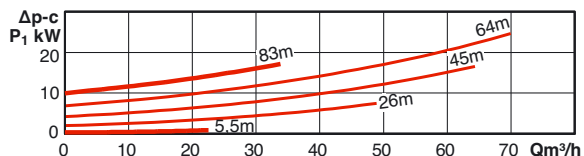
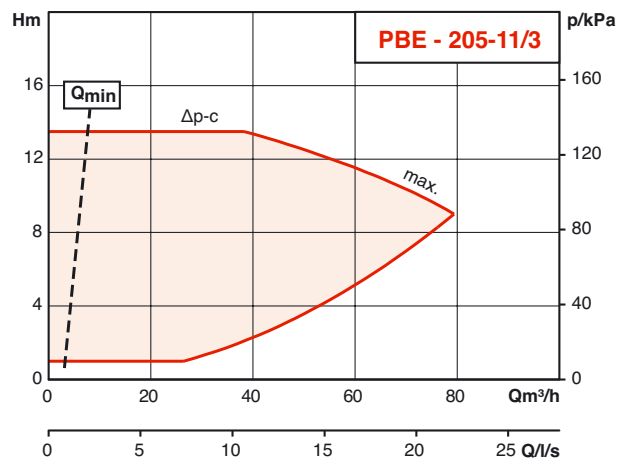
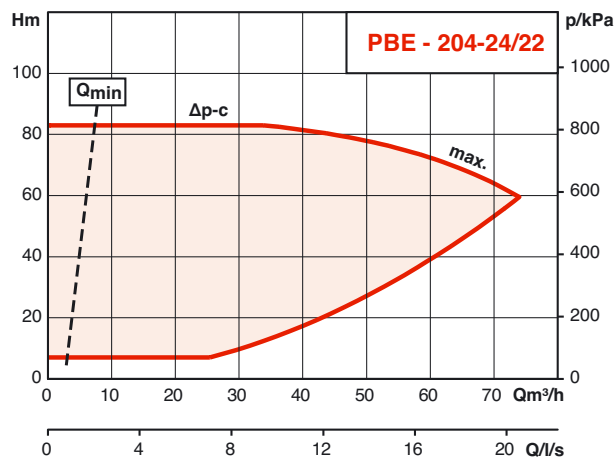
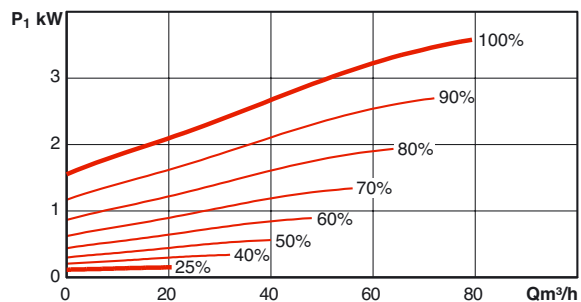
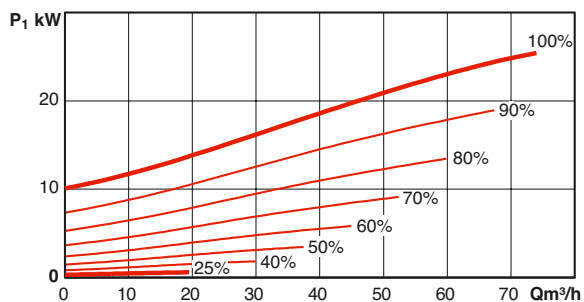
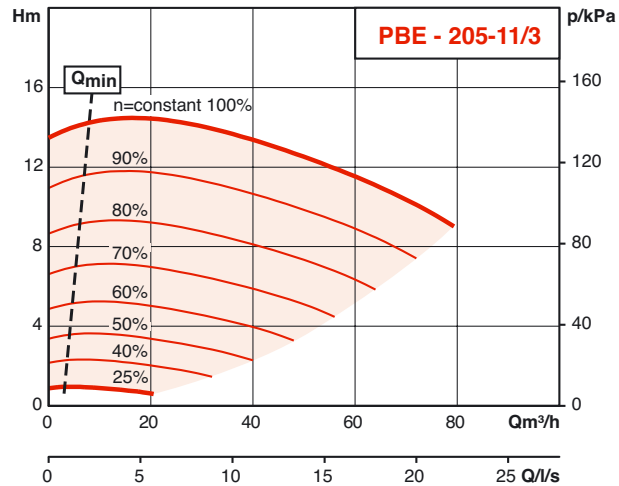
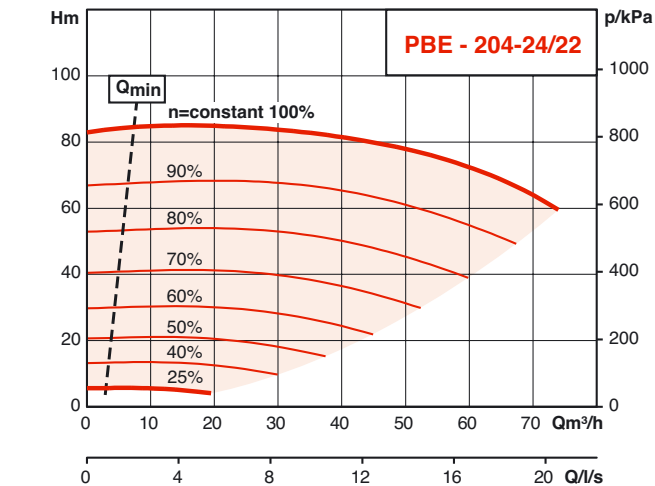
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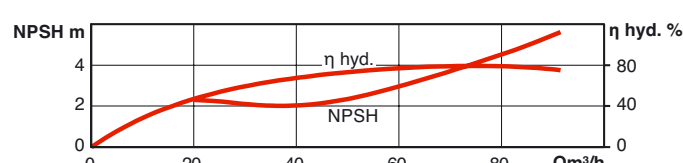
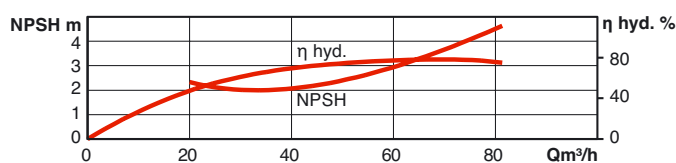
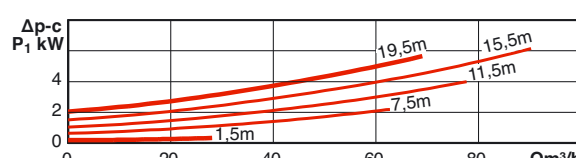
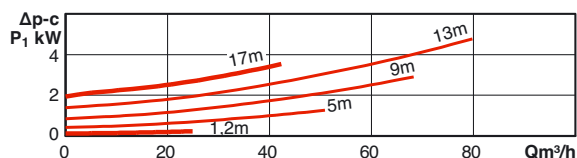
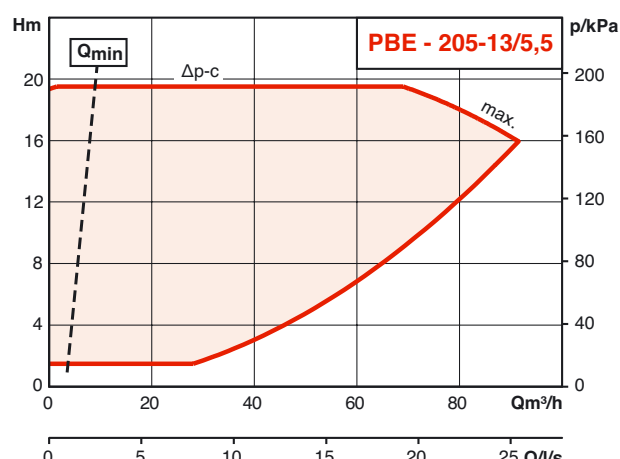
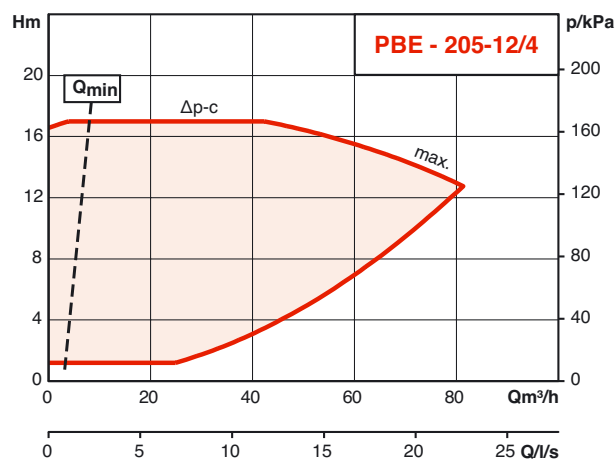
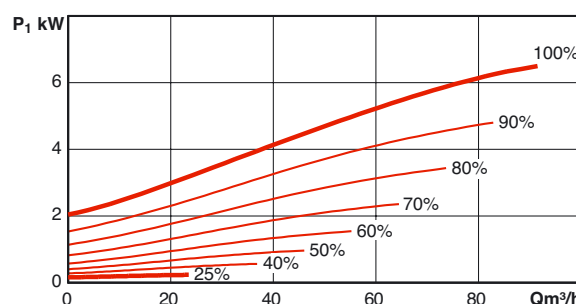
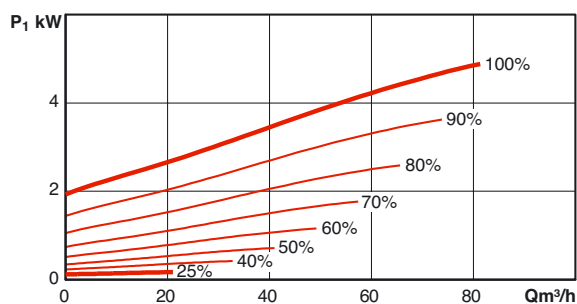
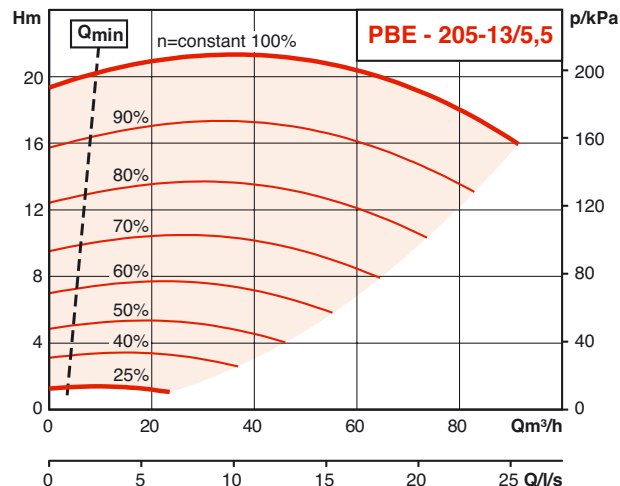
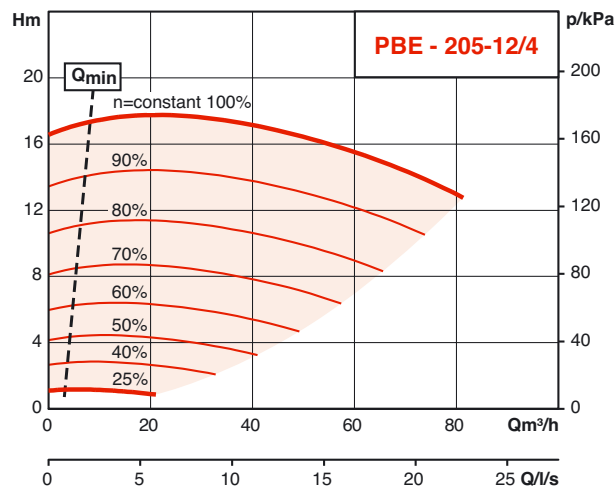
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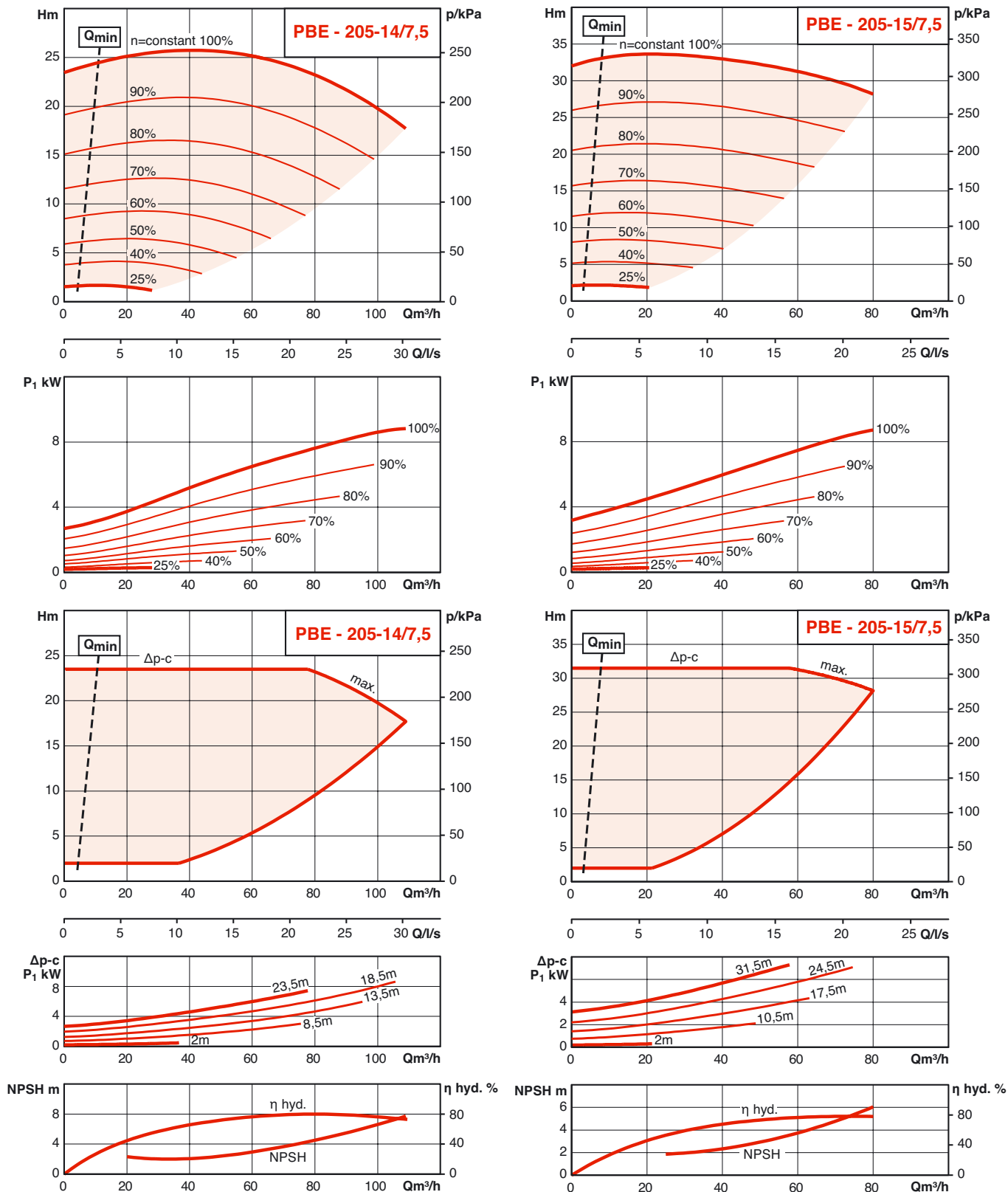
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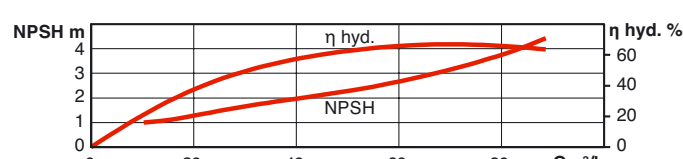
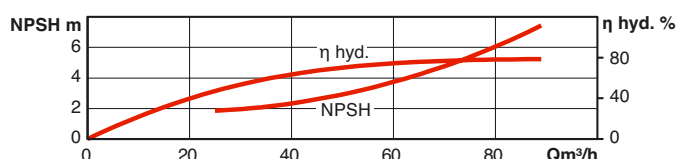
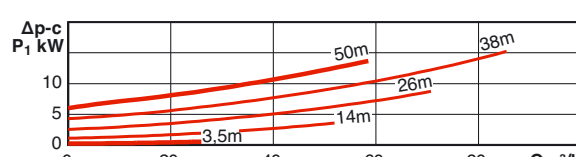
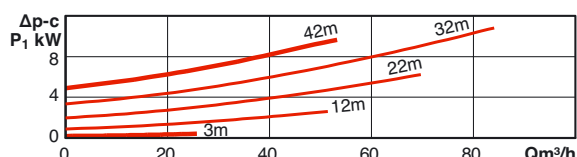
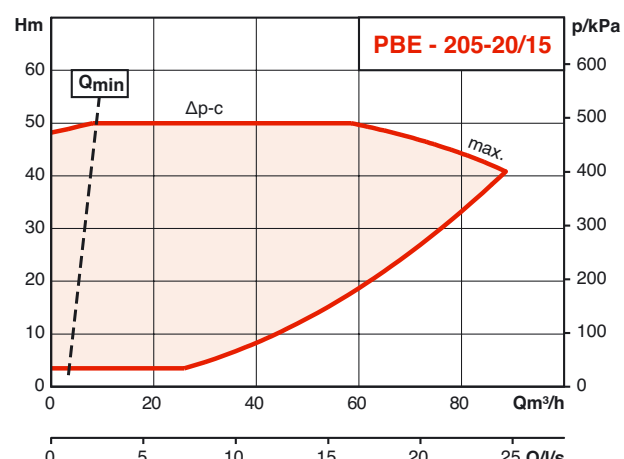
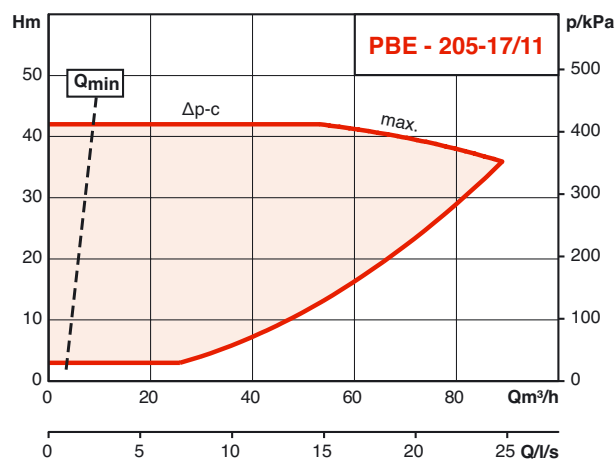
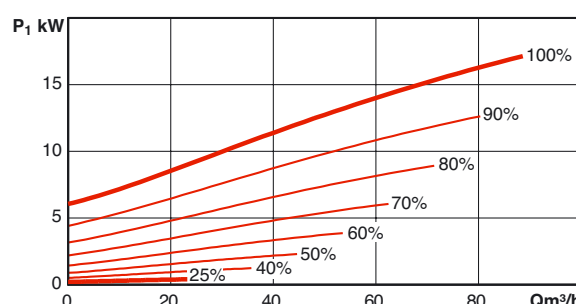
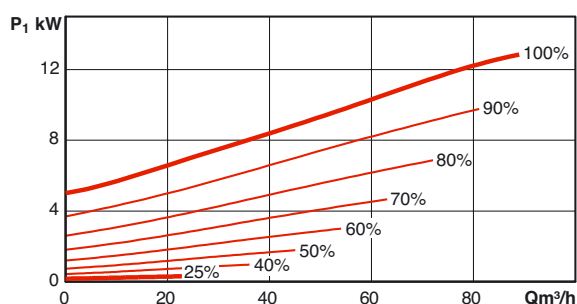
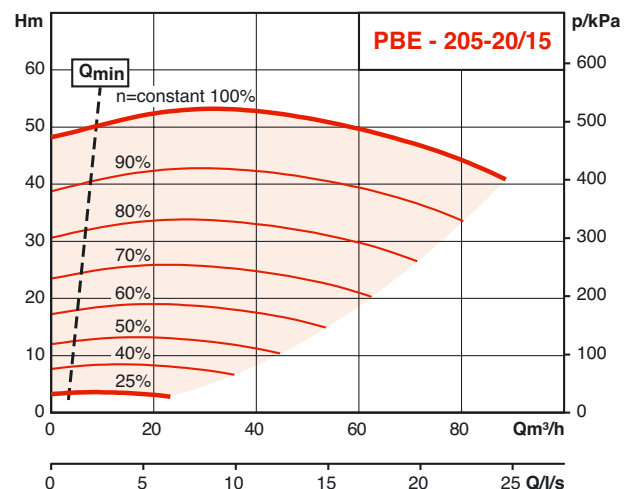
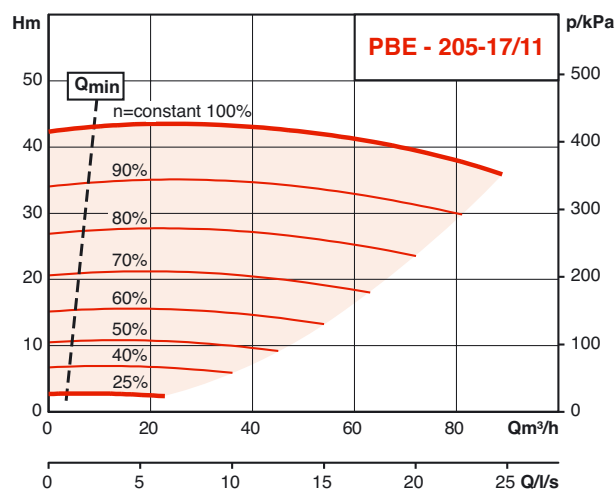
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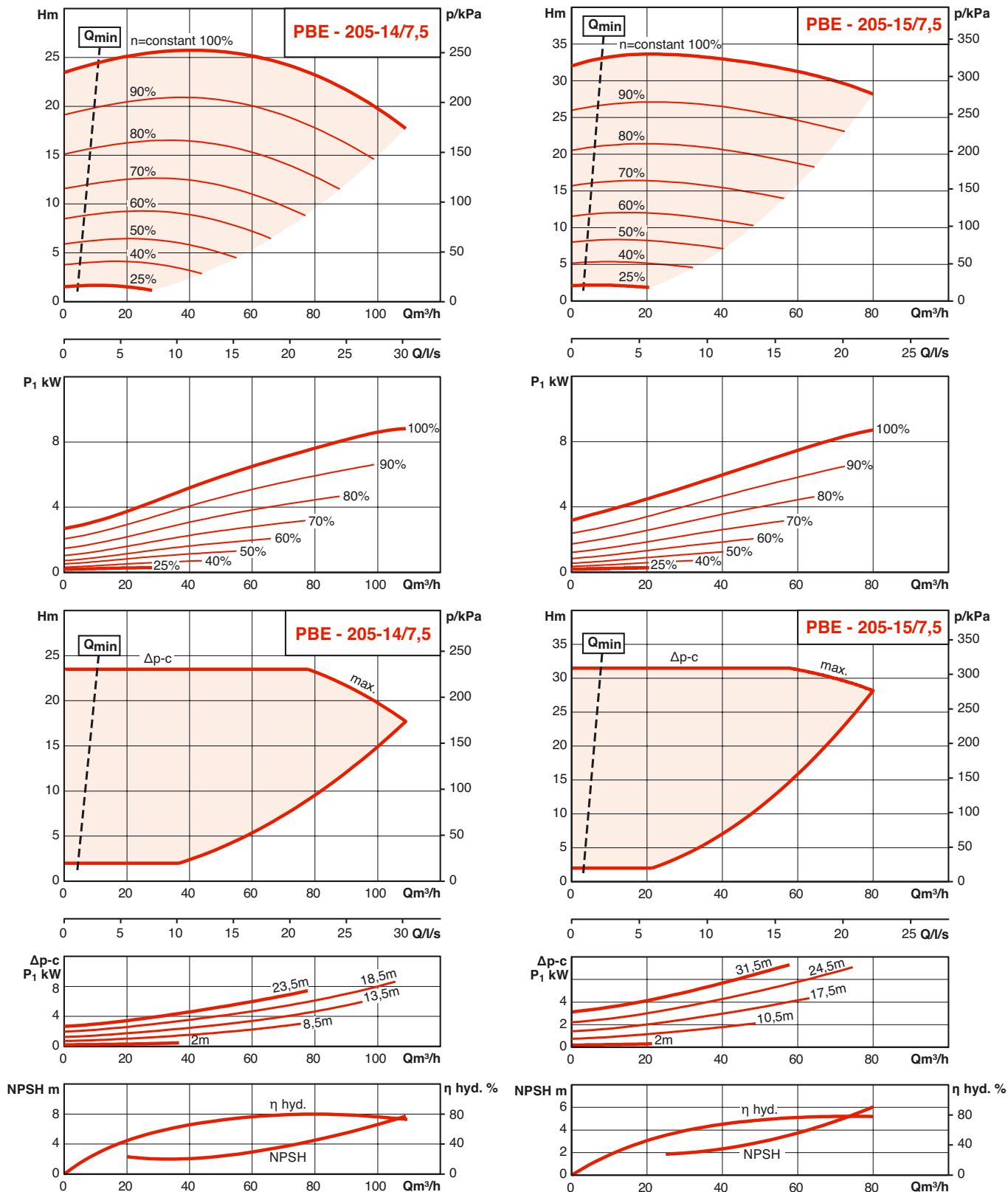
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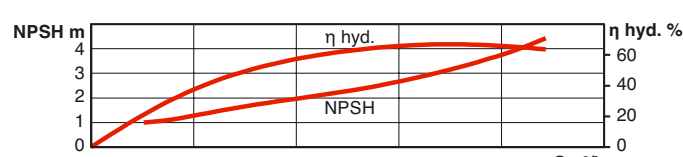
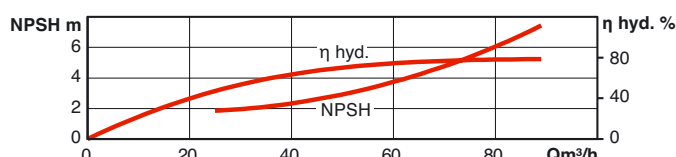
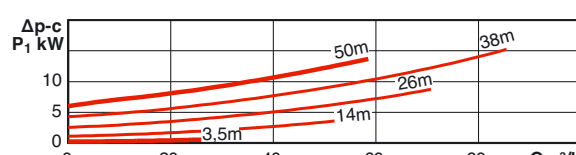
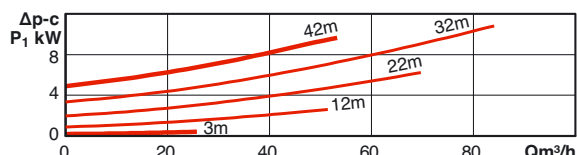
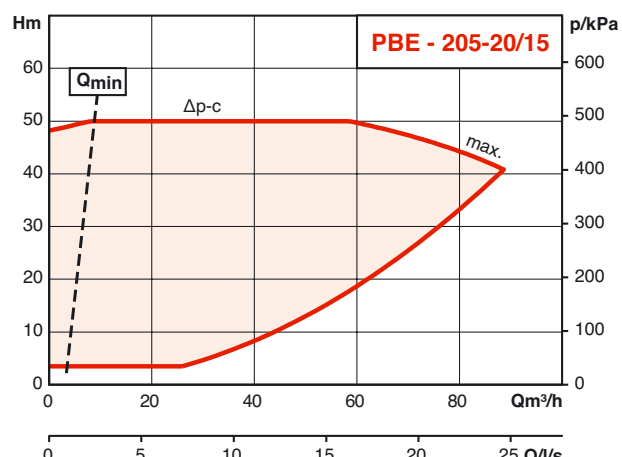
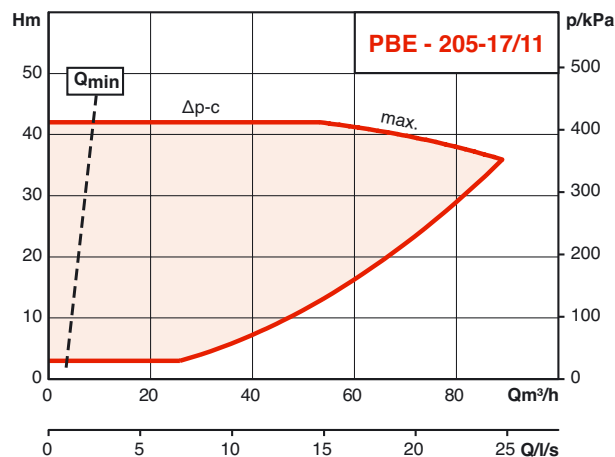
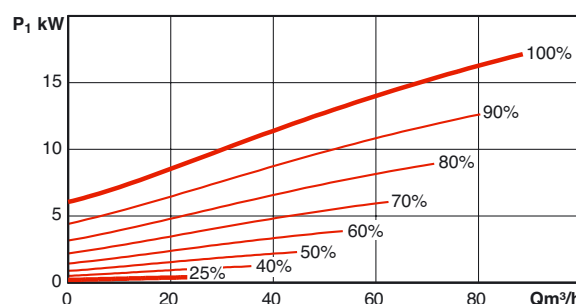
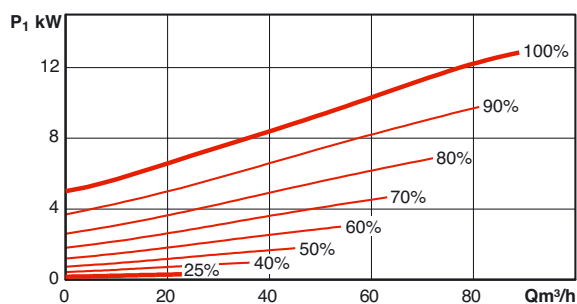
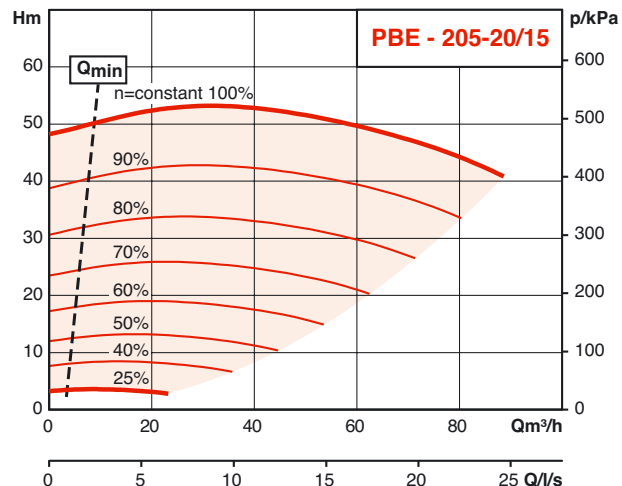
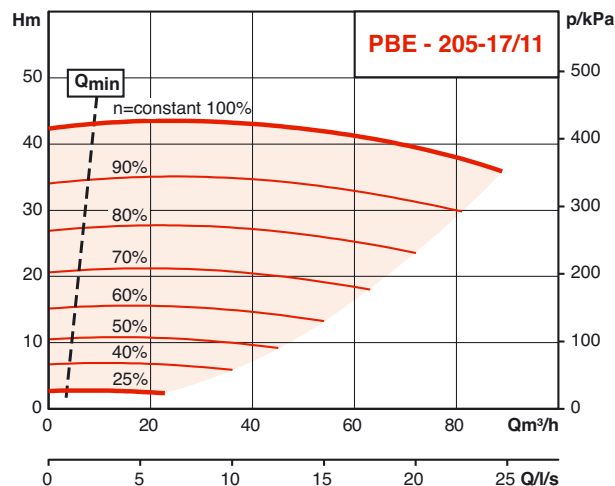
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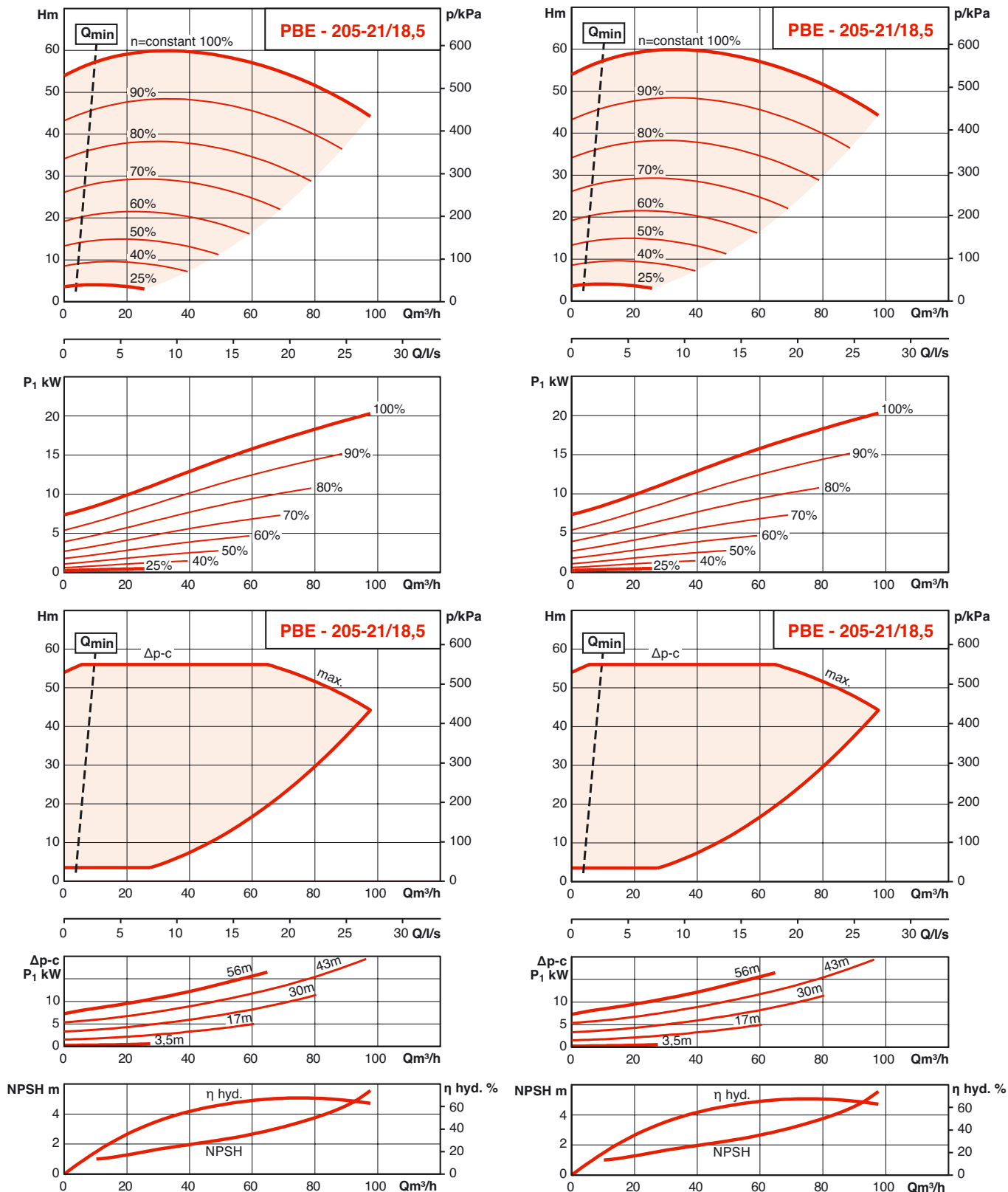
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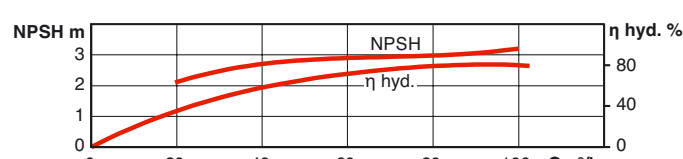
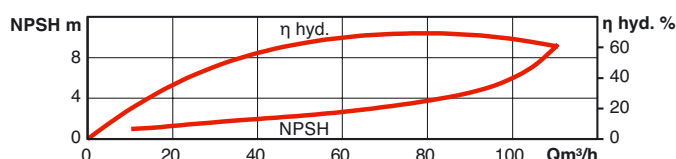
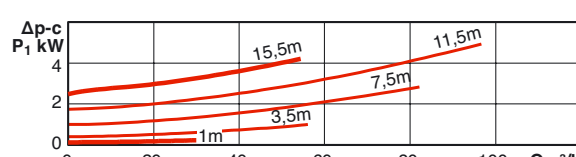
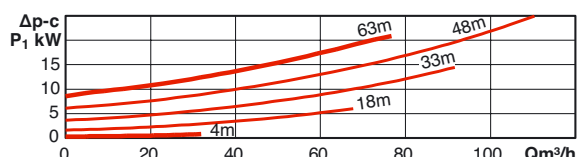
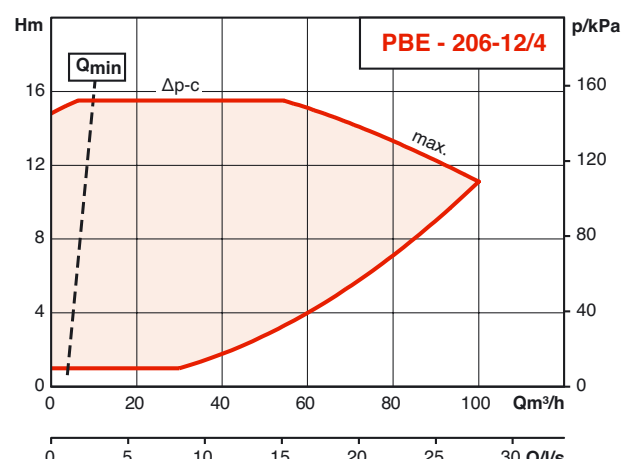
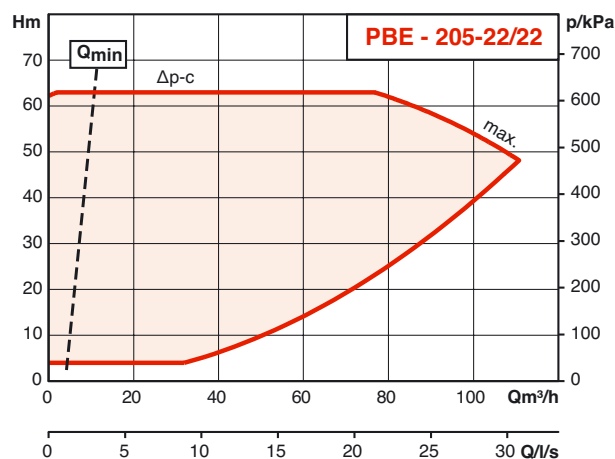
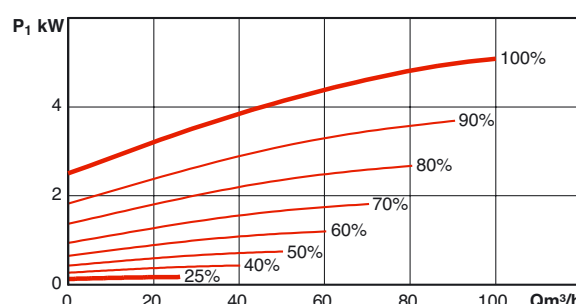
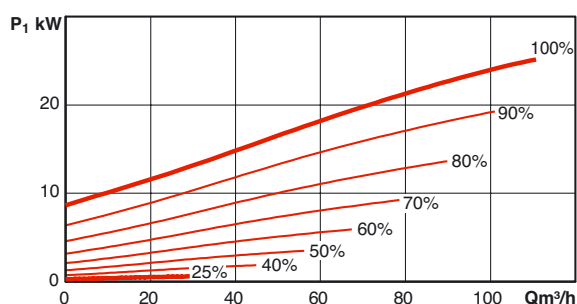
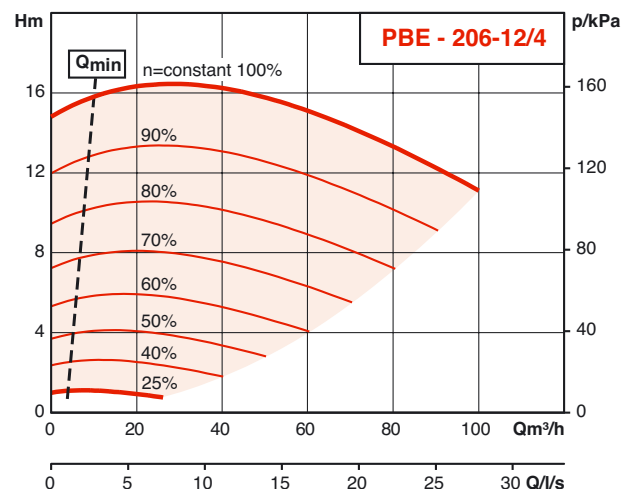
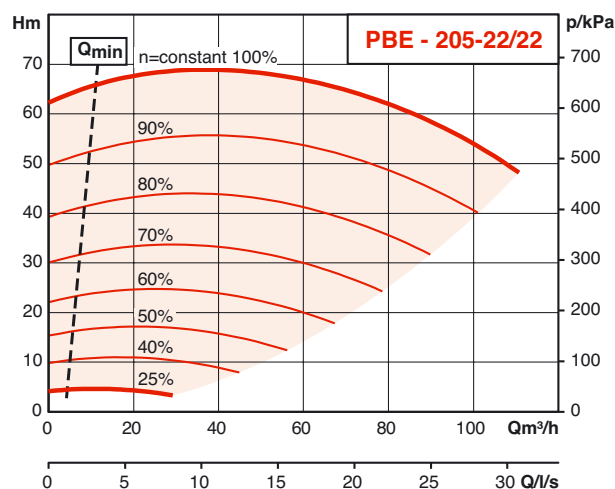
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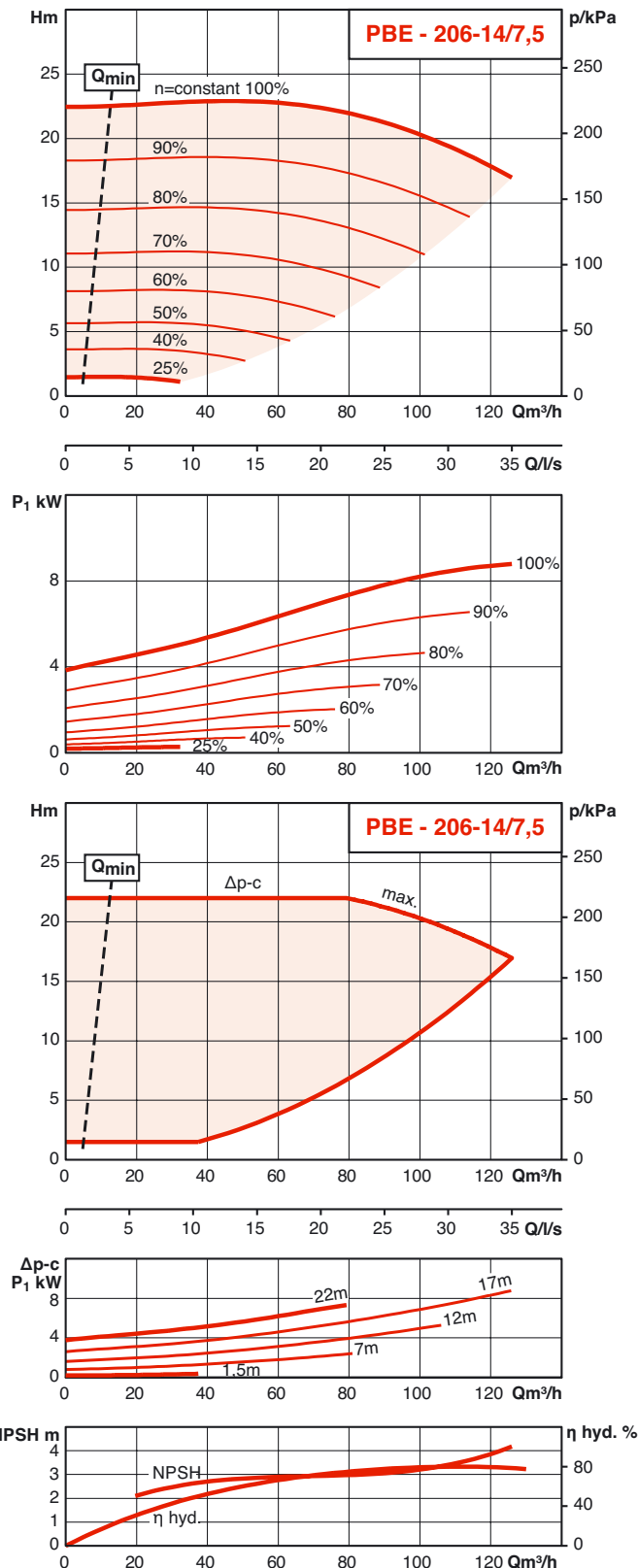
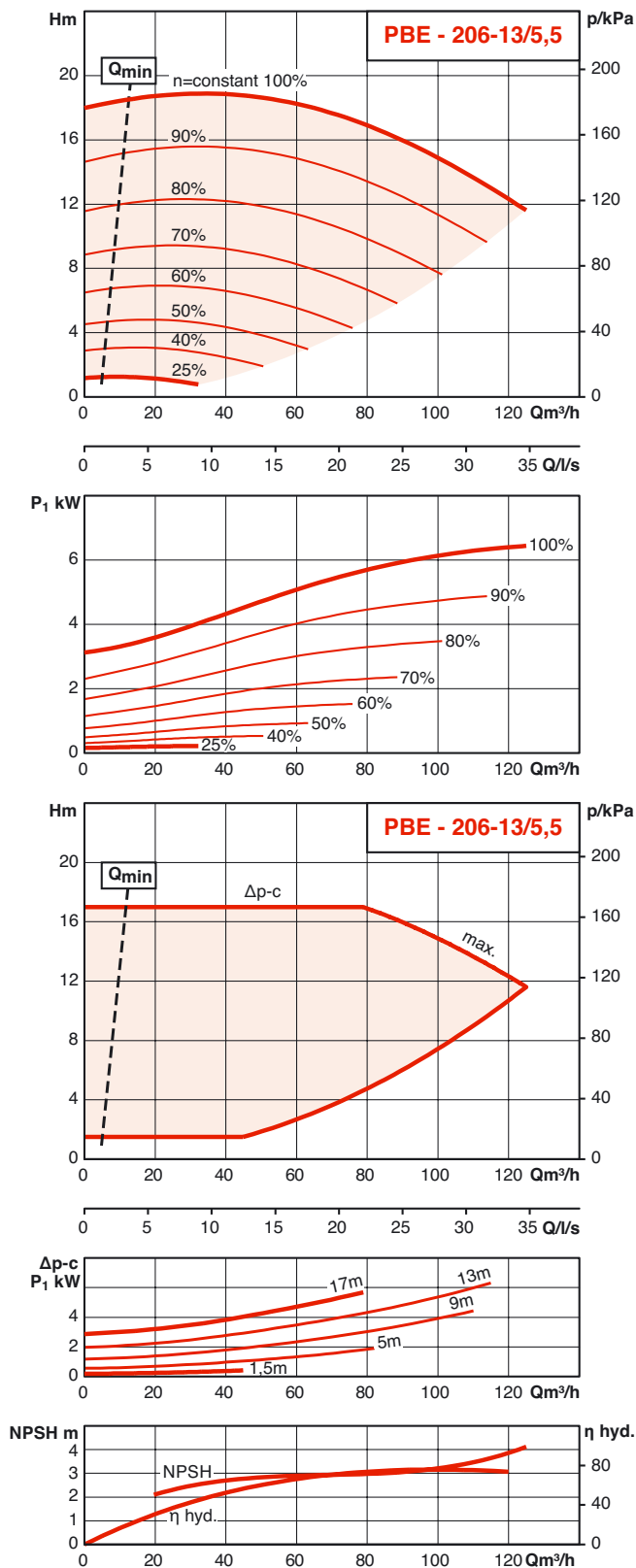
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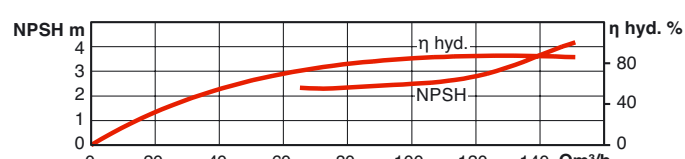
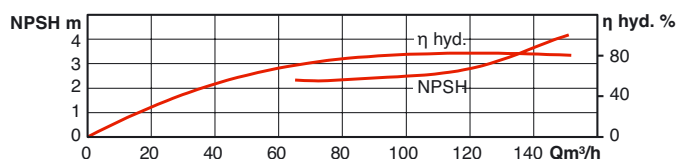
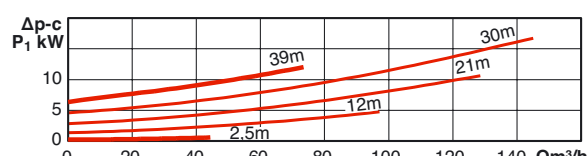
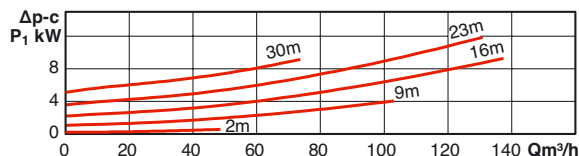
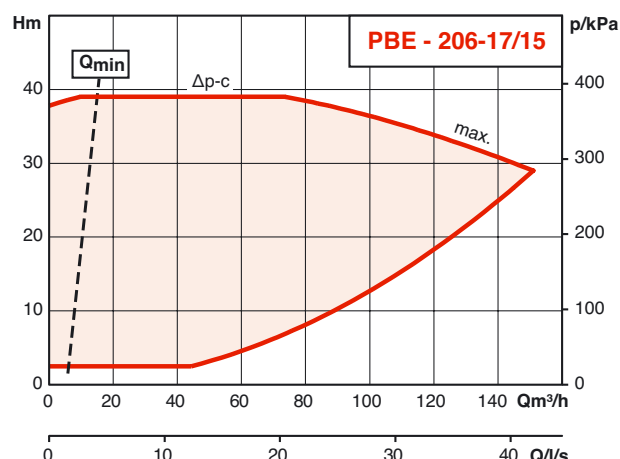
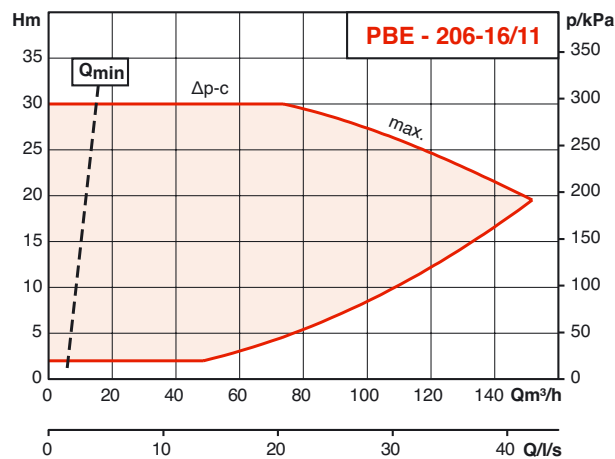
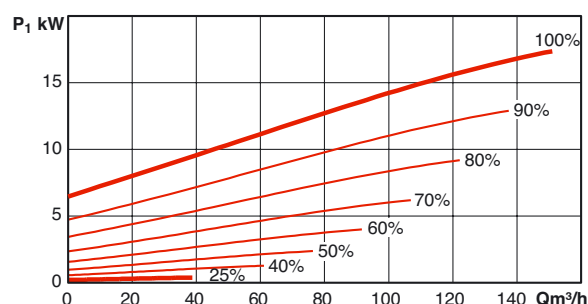
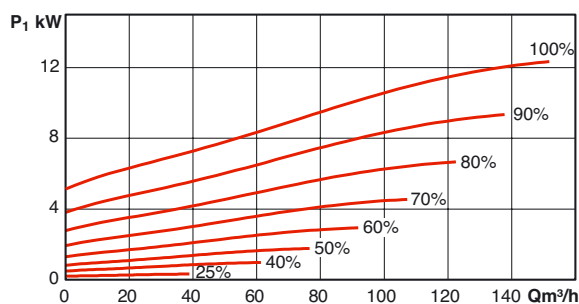
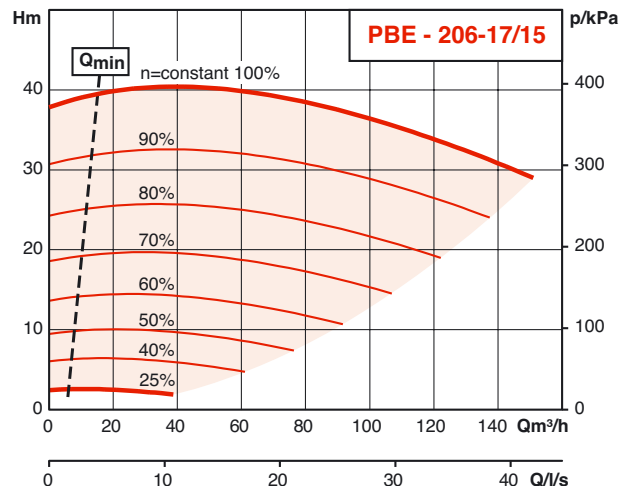
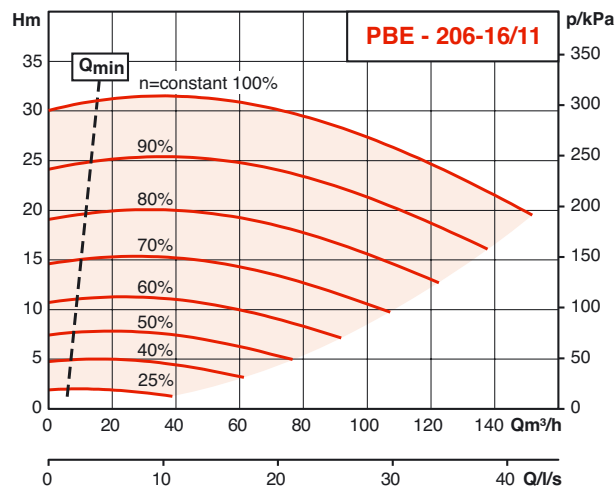
PERFORMANCES HYDRAULIQUES



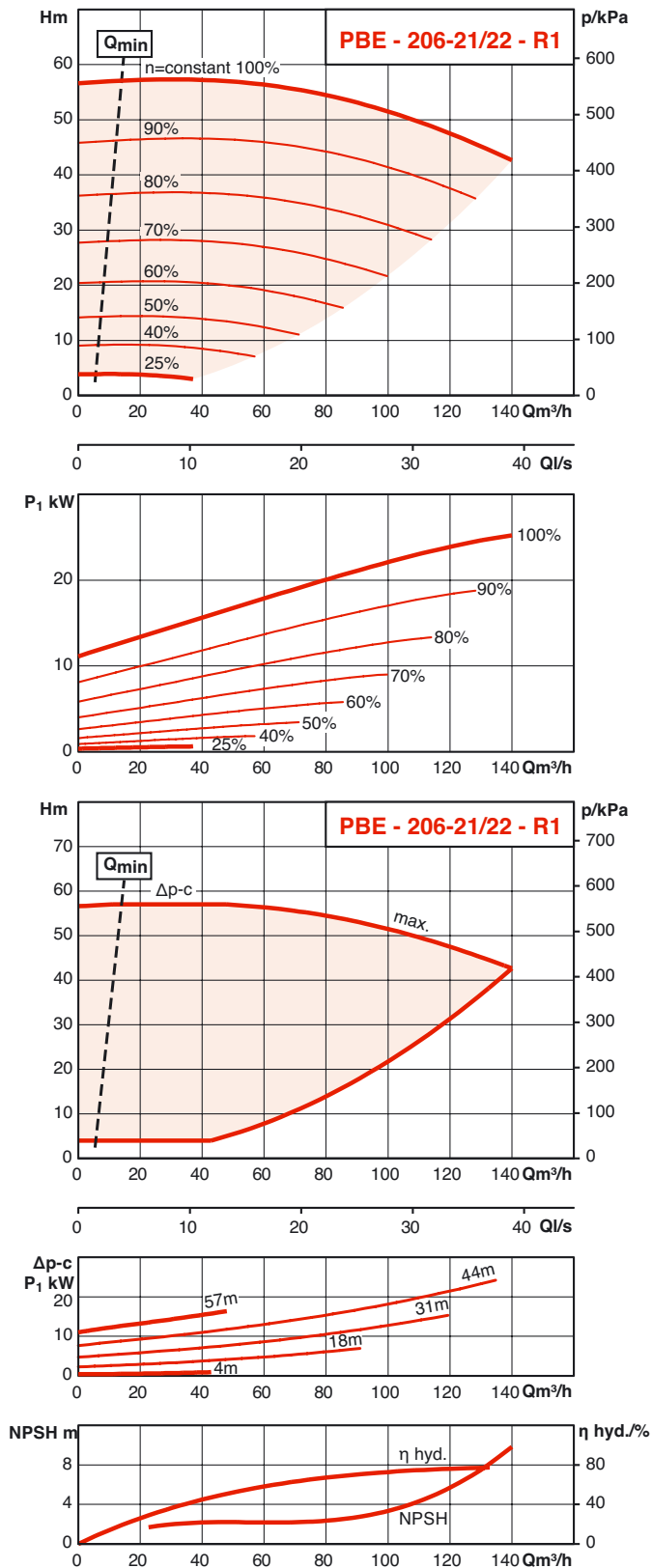
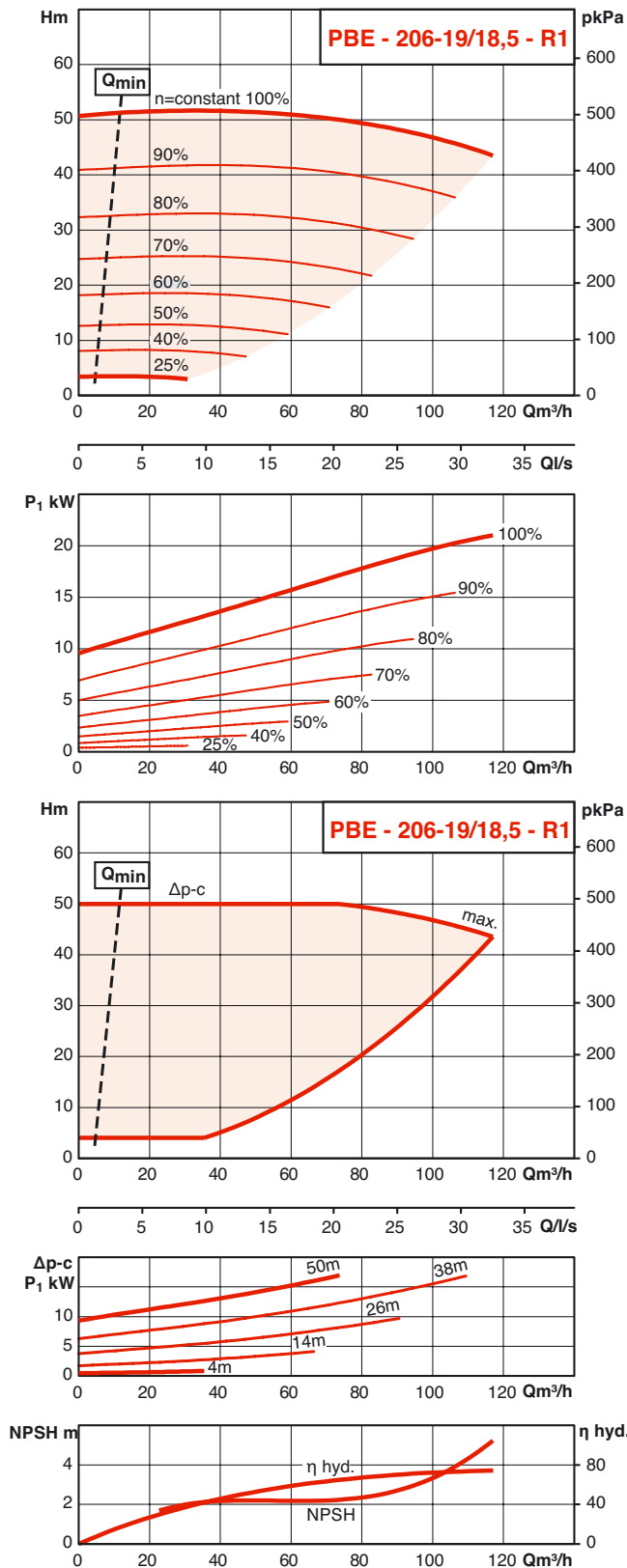
PERFORMANCES HYDRAULIQUES



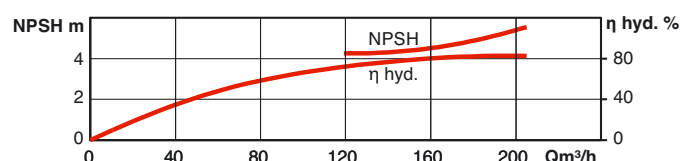
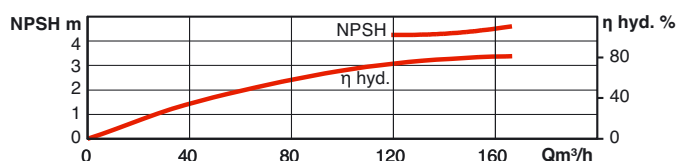
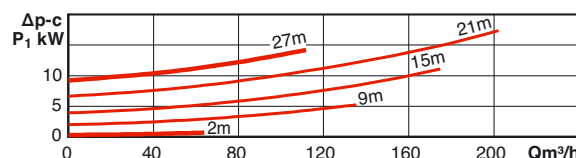
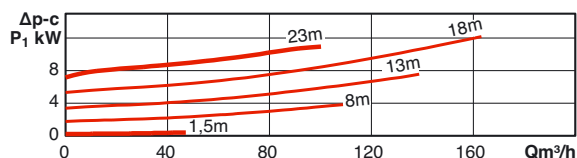
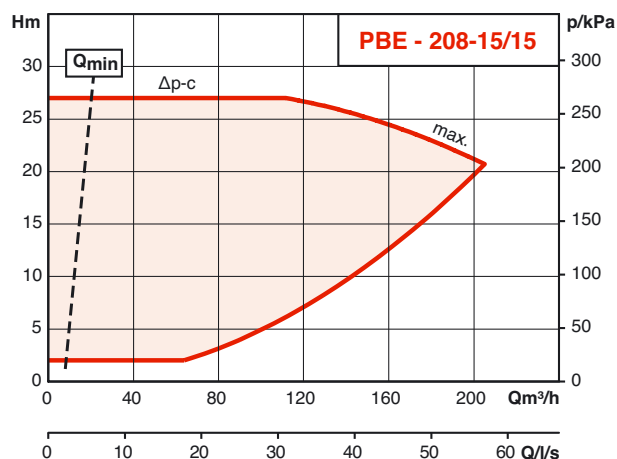
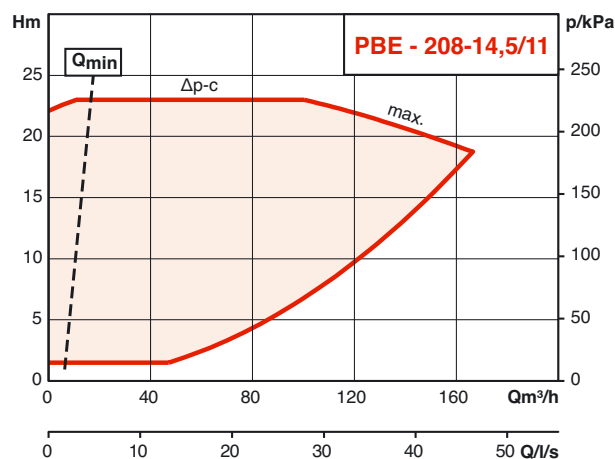
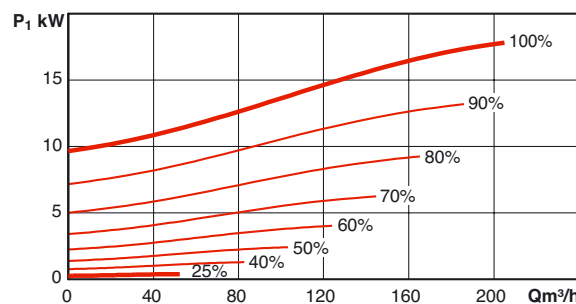
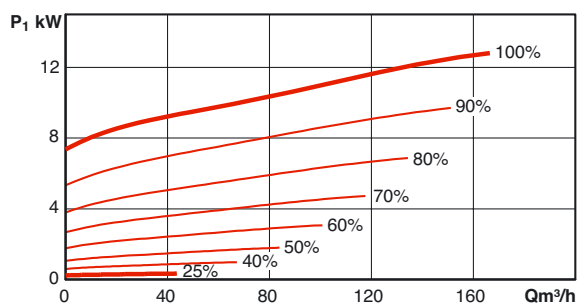
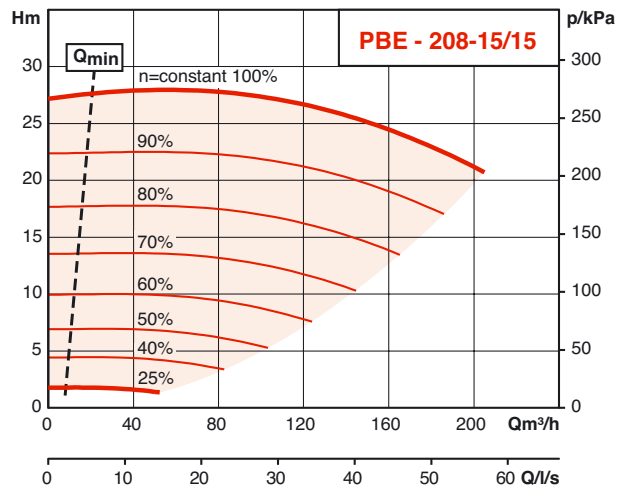
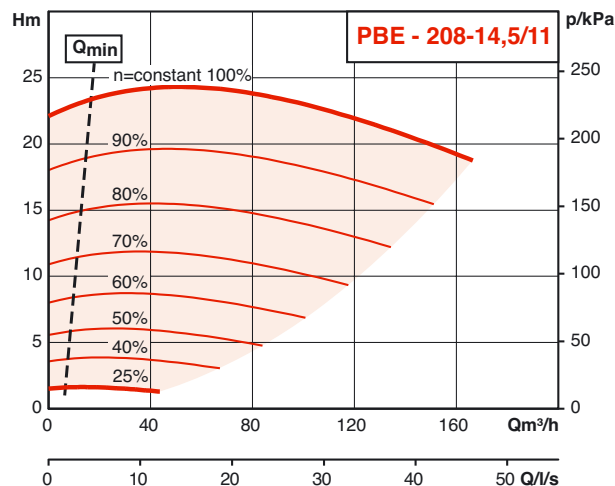
PERFORMANCES HYDRAULIQUES



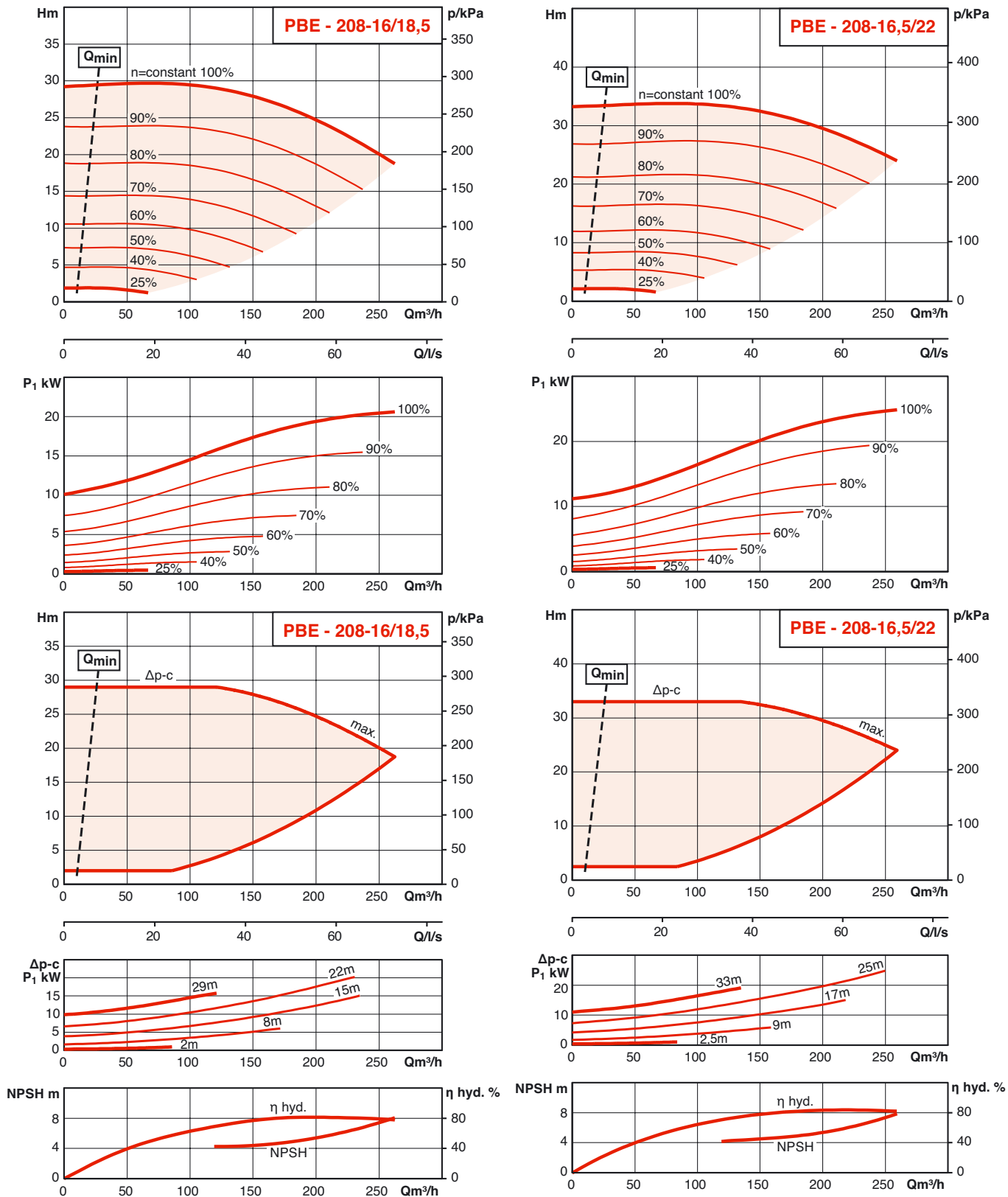
PERFORMANCES HYDRAULIQUES



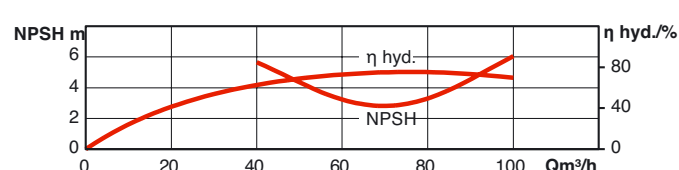
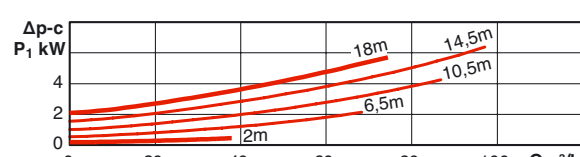
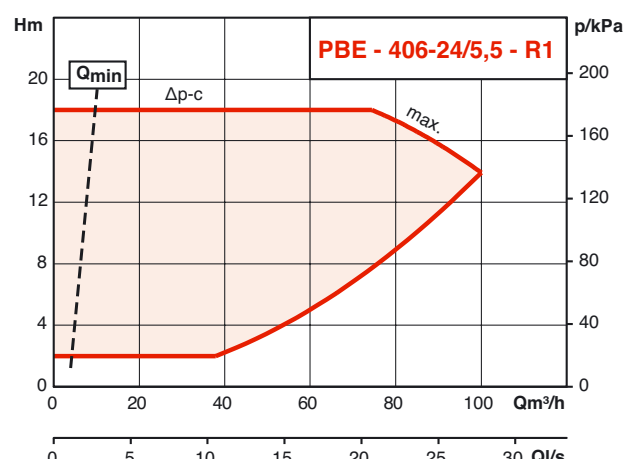
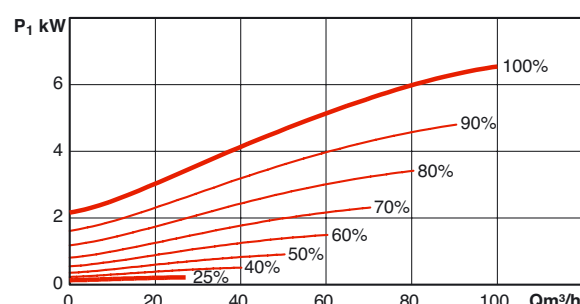
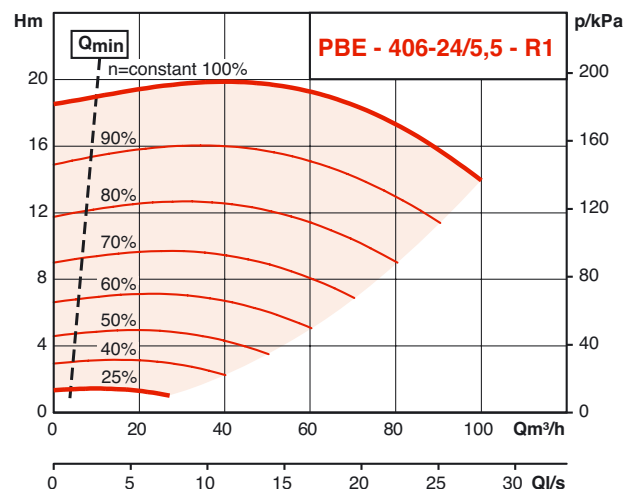
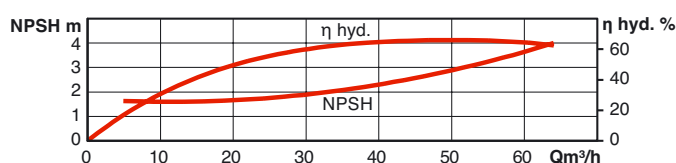
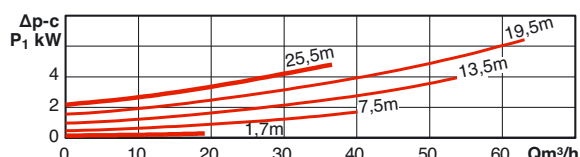
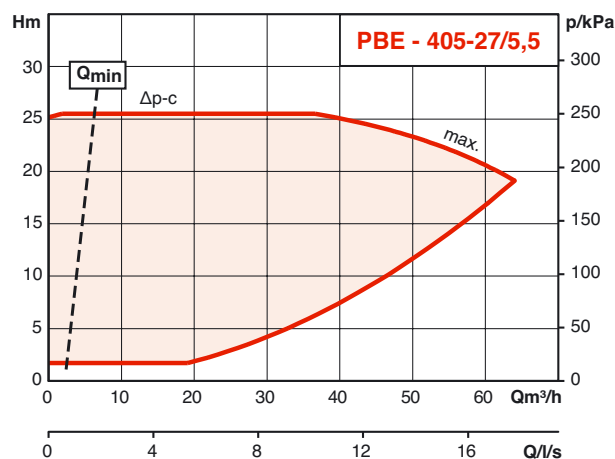
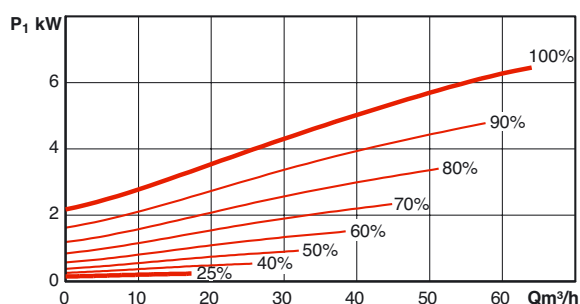
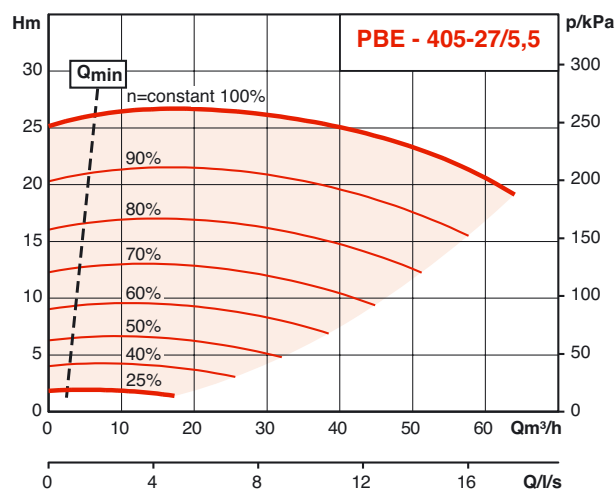
PERFORMANCES HYDRAULIQUES



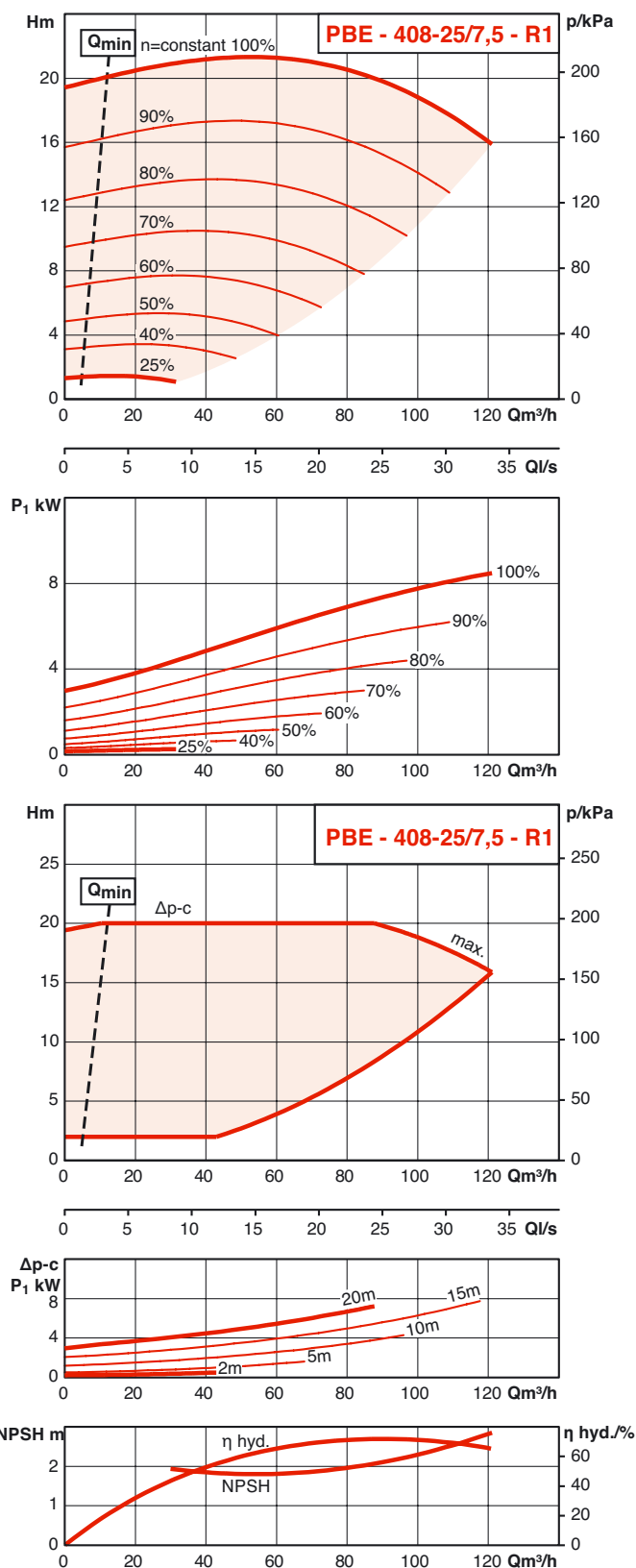
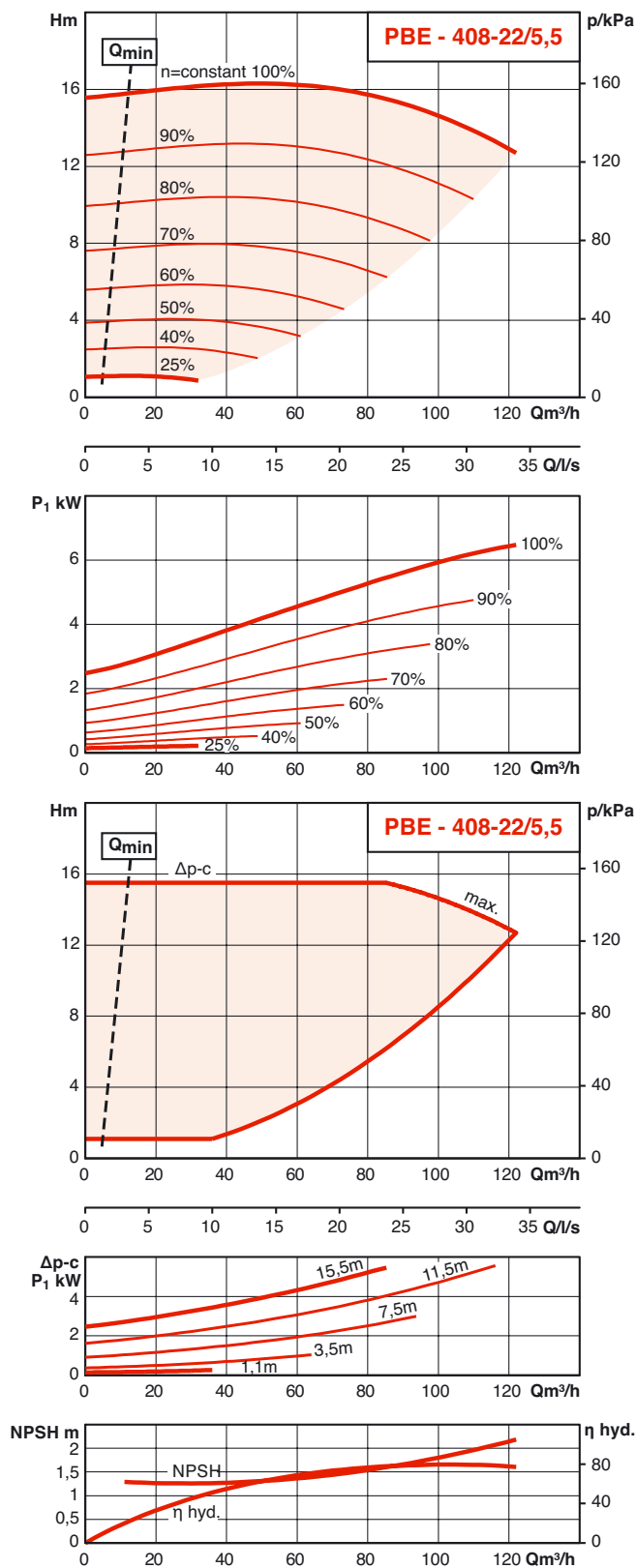
PERFORMANCES HYDRAULIQUES



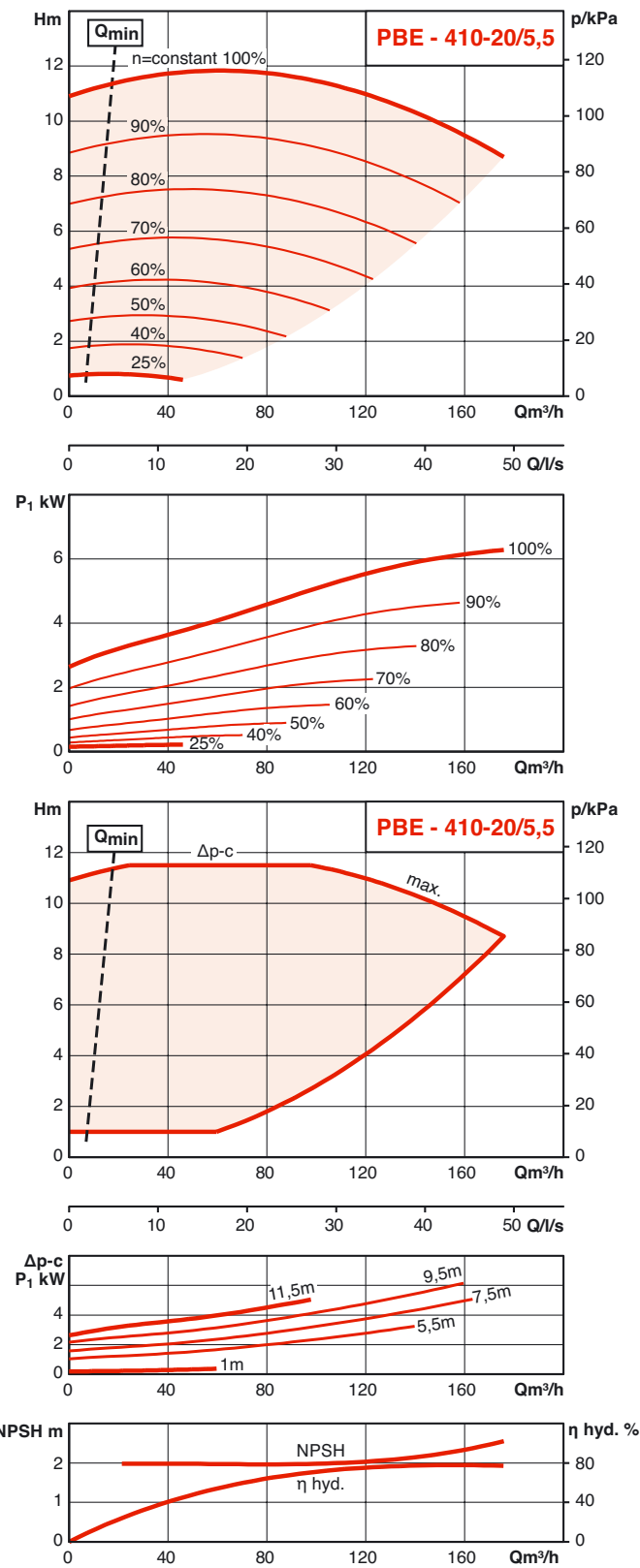
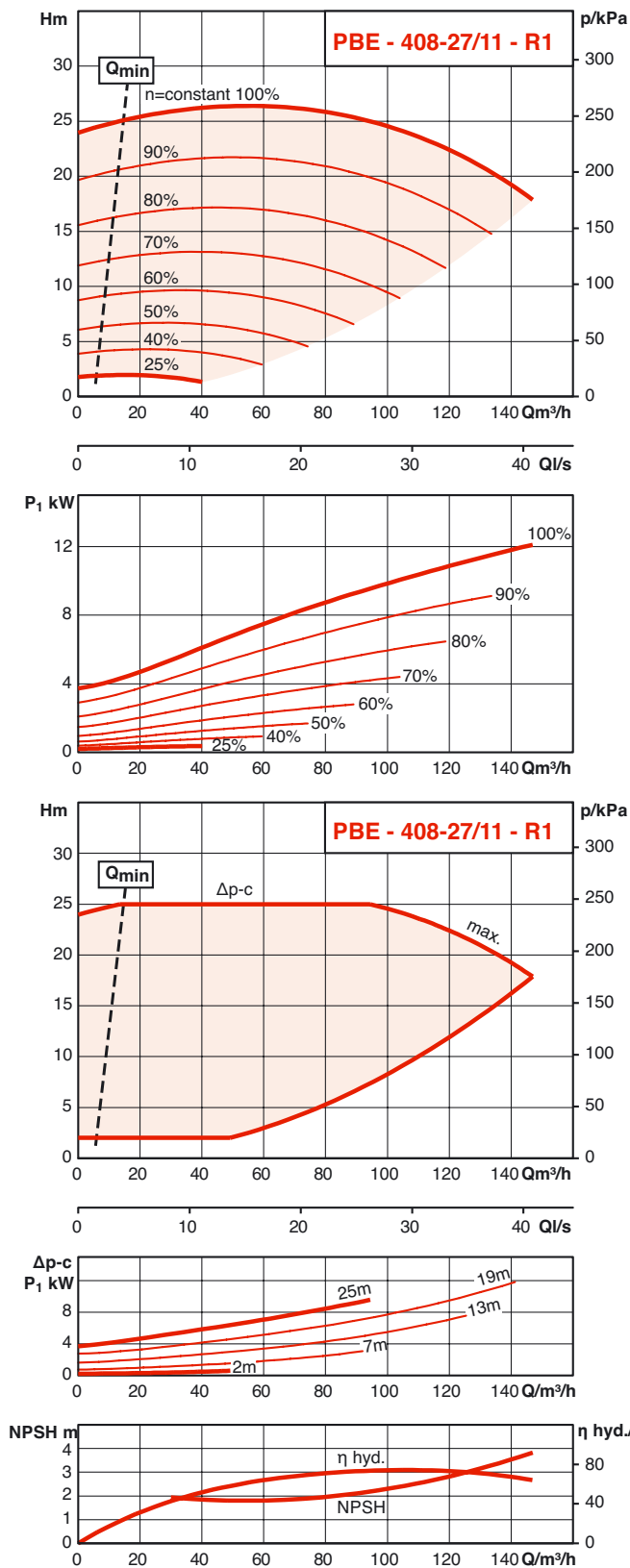
PERFORMANCES HYDRAULIQUES



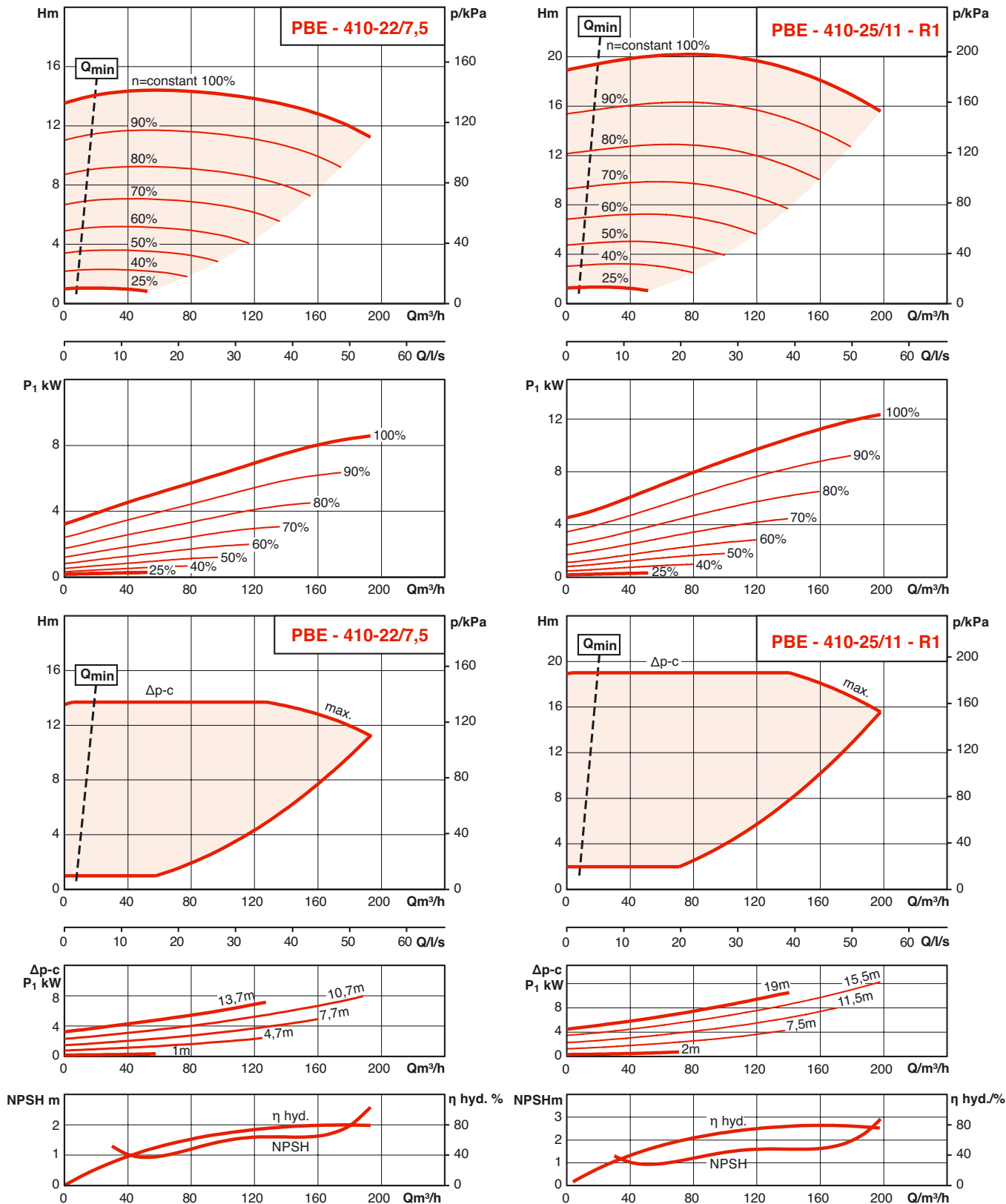
PERFORMANCES HYDRAULIQUES



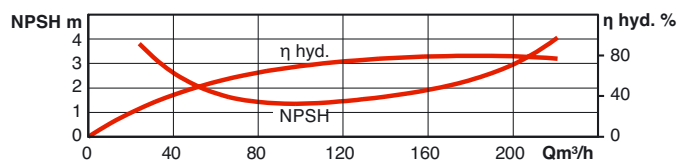
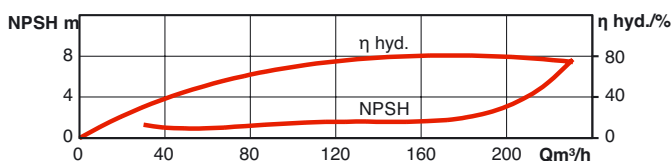
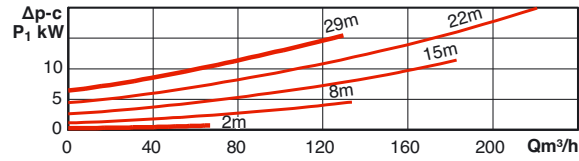
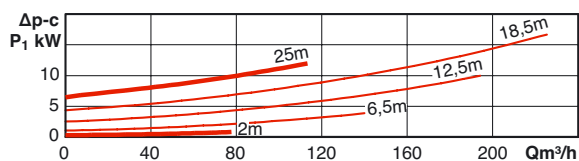
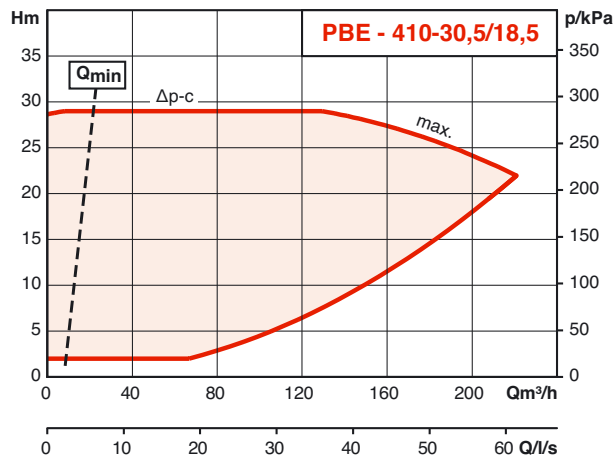
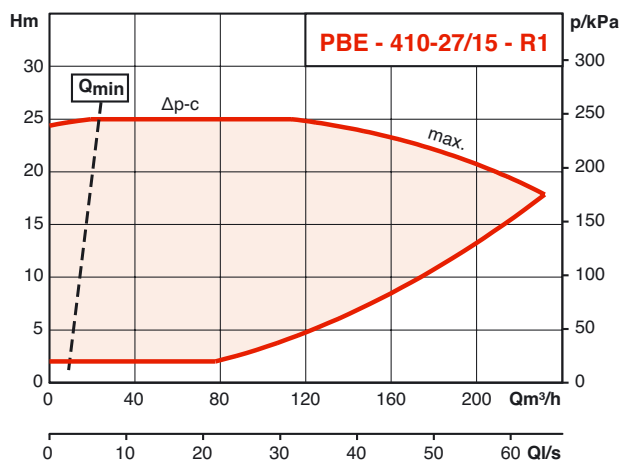
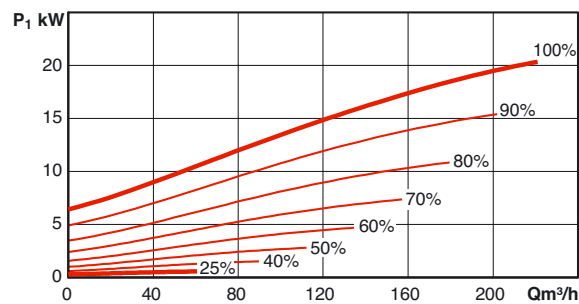
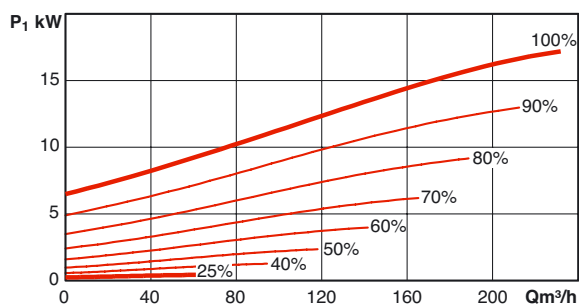
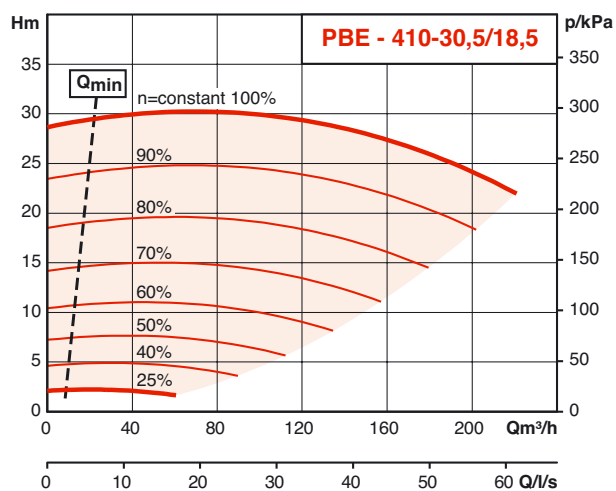
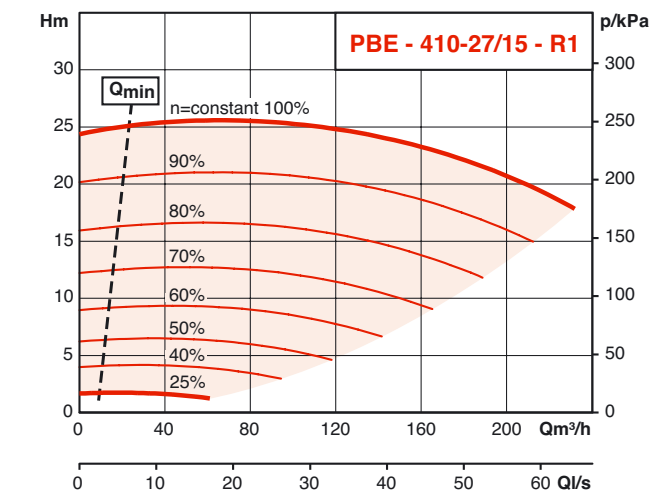
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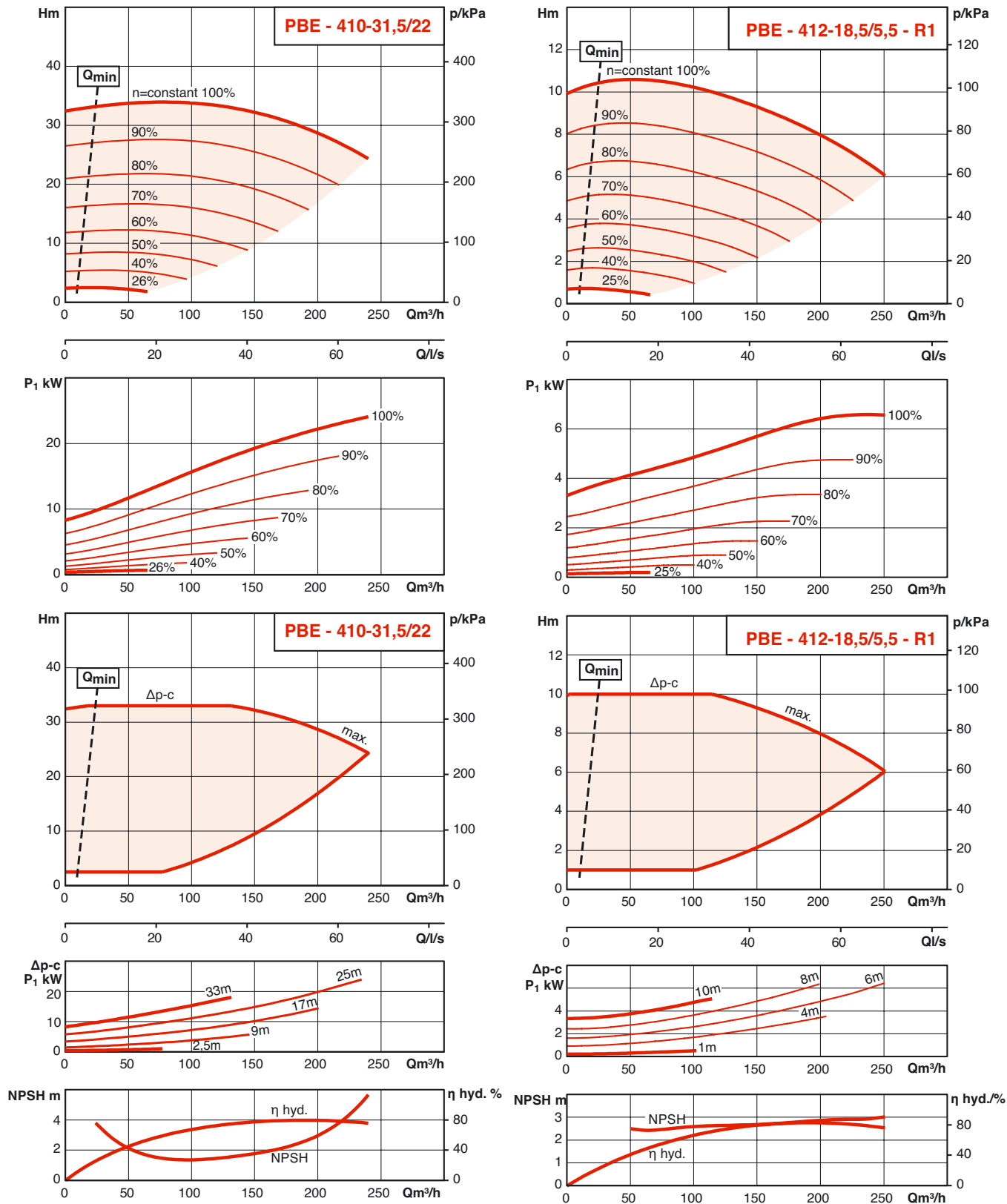
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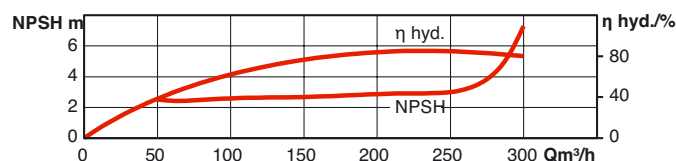
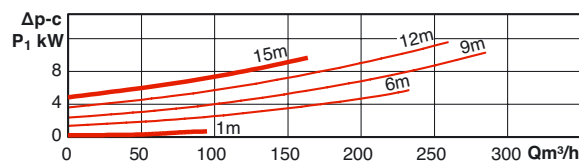
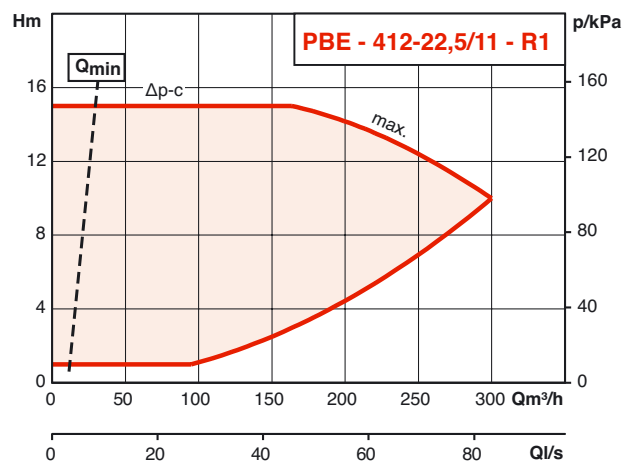
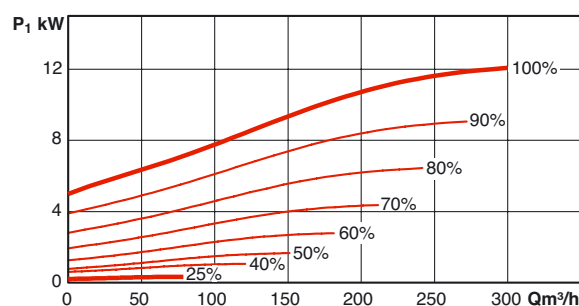
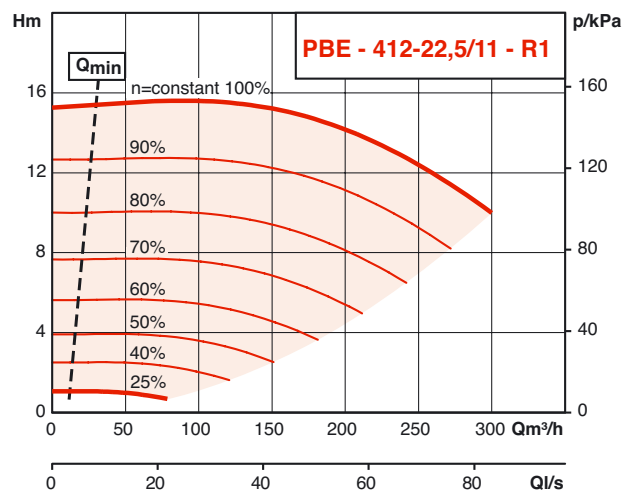
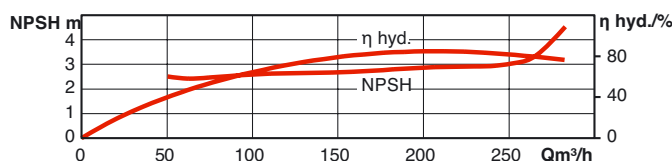
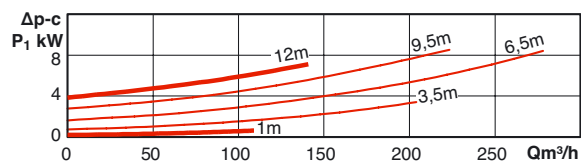
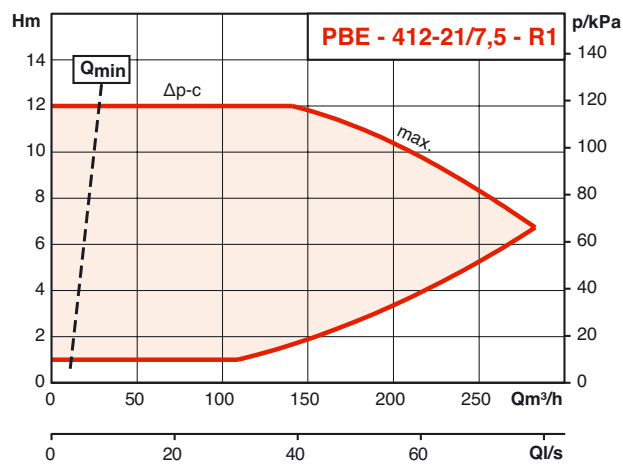
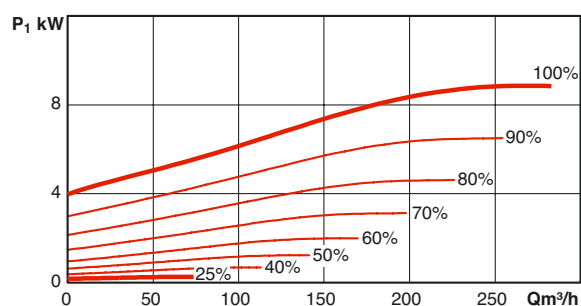
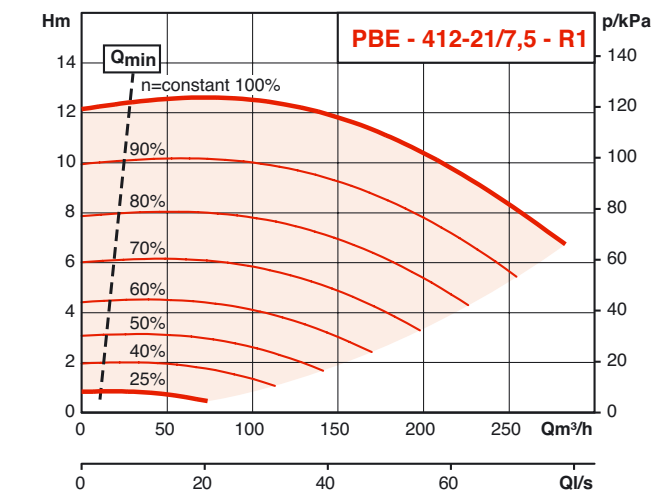
PERFORMANCES HYDRAULIQUES



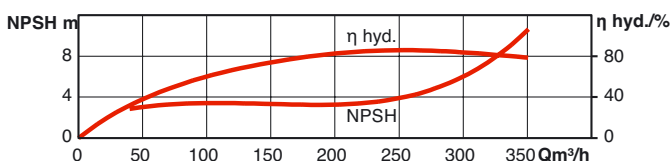
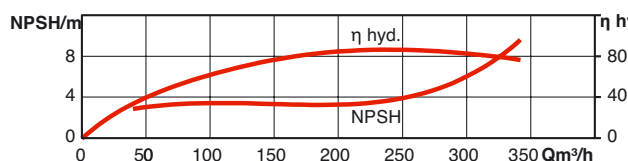
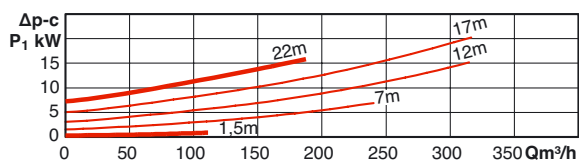
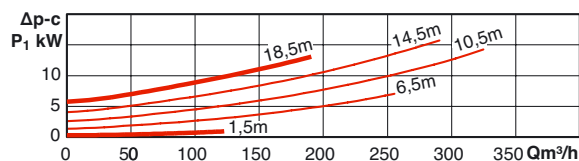
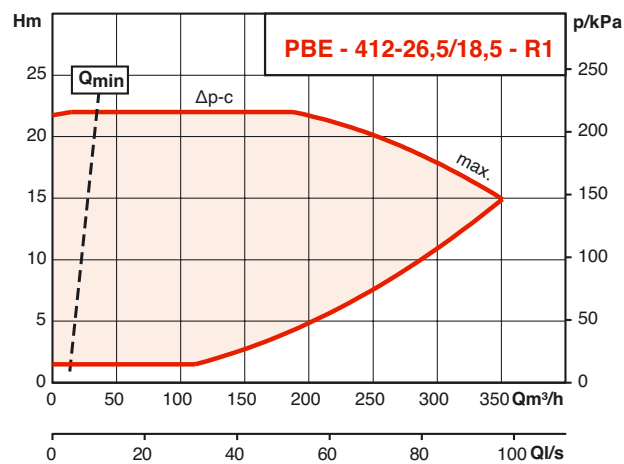
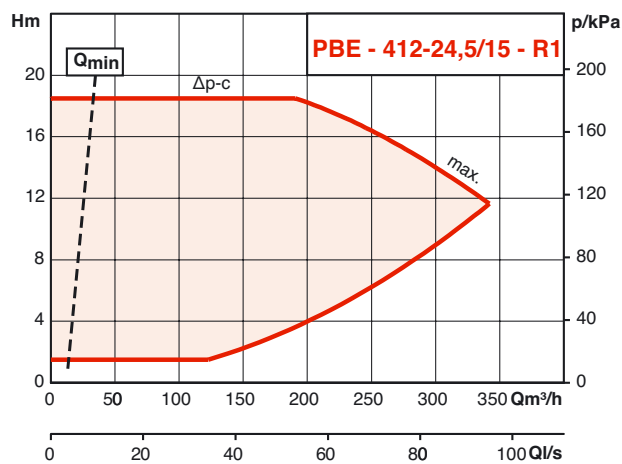
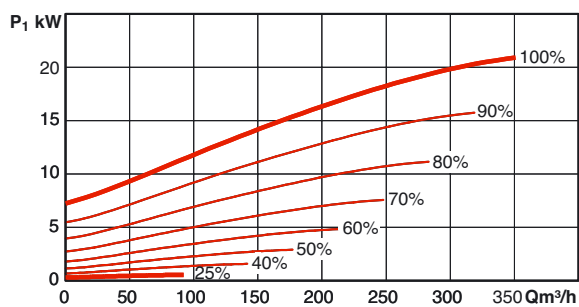
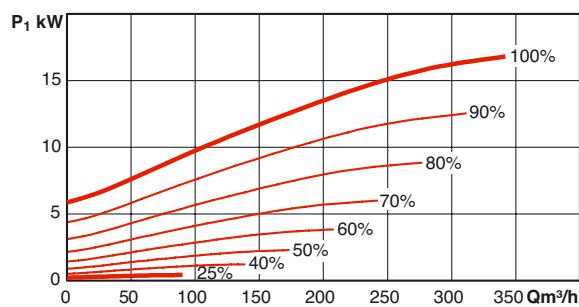
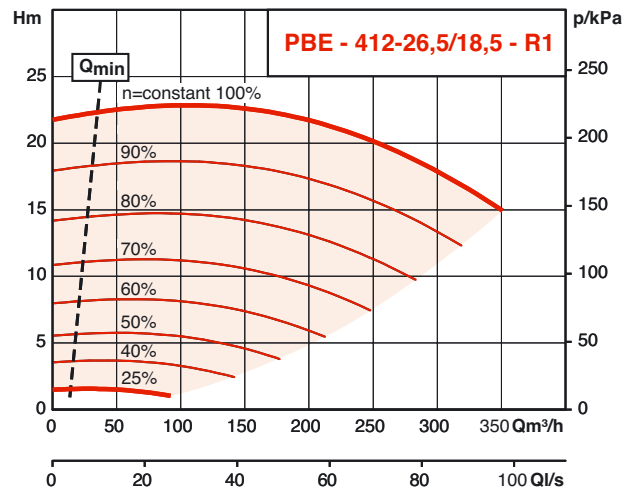
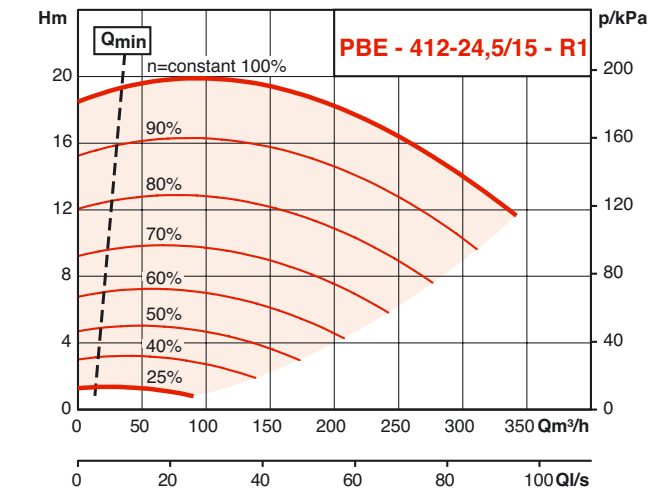
PERFORMANCES HYDRAULIQUES



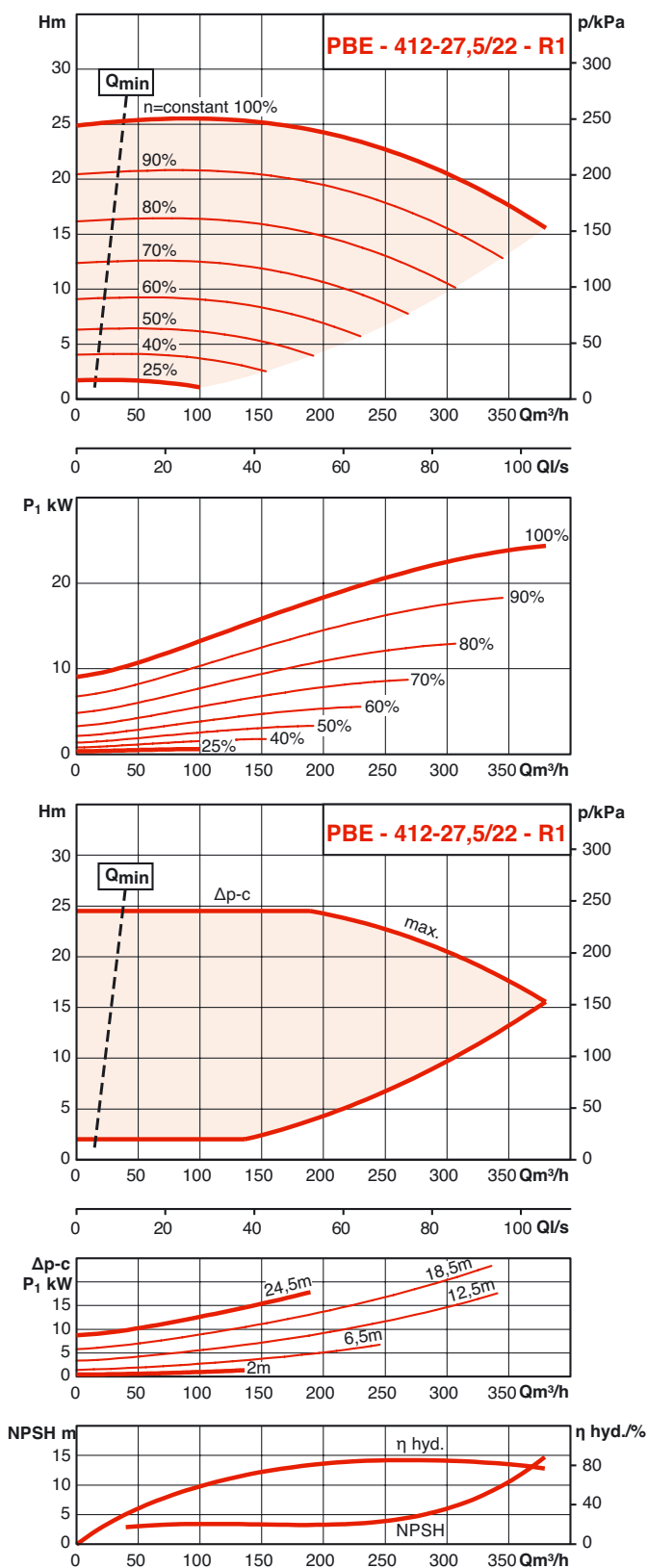
PERFORMANCES HYDRAULIQUES



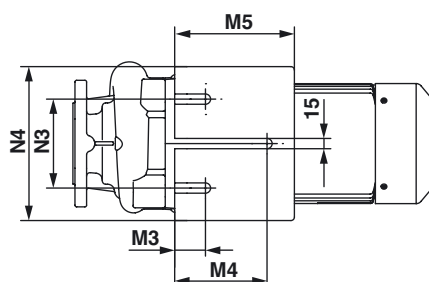
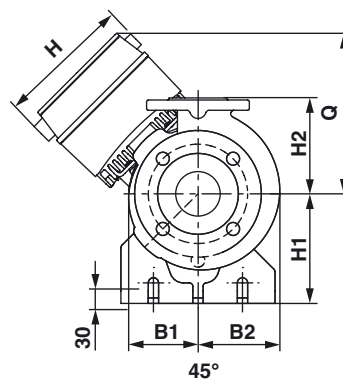
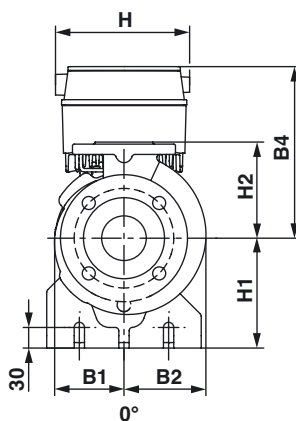
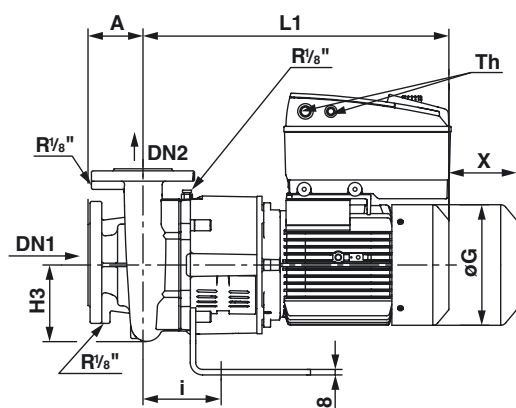
PERFORMANCES HYDRAULIQUES



PERFORMANCES HYDRAULIQUES

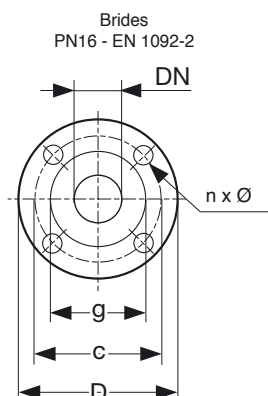


DIMENSIONS – MOTEUR ≤ 4KW



DNA	ØD	Øg	Øc	n x Ø
	mm			n x mm
50	165	99	125	4 x 19
65	185	118	145	4 x 19
80	200	132	160	8 x 19

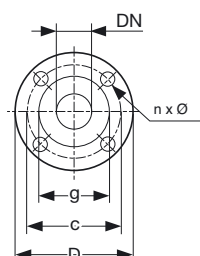
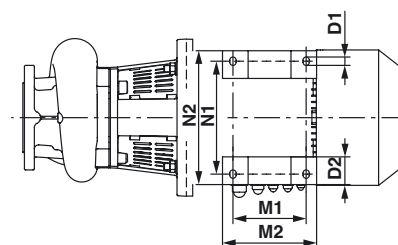
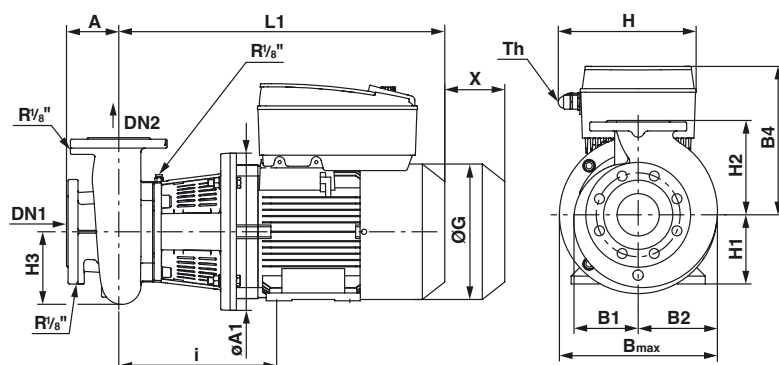
DNR	ØD	Øg	Øc	n x Ø
	mm			n x mm
32	140	76	100	4 x 19
40	150	84	110	4 x 19
50	165	99	125	4 x 19
65	185	118	145	4 x 19



Référence article	Référence SAP	A	L1	X	ØG	Ø A1	H3	I	Th	H	H1	H2	B1	B2	B max	N3	N4	M3	M4	M5
					mm										mm					
2126163	PBE203-14/2.2-R1	80	447	100	177	200	122	110	2xM12/1xM16/1xM20/1xM25	220	160	160	113	129	242	130	210	47,5	137,5	185
2126164	PBE203-15/3-R1	80	487,4	100	196	250	122	110	2xM12/1xM16/1xM20	220	160	160	113	129	242	130	210	47,5	137,5	185
2126165	PBE203-16/4-R1	80	504,4	100	220	250	122	110		220	160	160	113	129	242	130	210	47,5	137,5	185
2126169	PBE204-11/1.5-R1	80	435	105	177	200	111	114		220	160	140	101	119	220	130	225	45	135	175
2126170	PBE204-12/2.2-R1	80	445	105	177	200	111	114		220	160	140	101	119	220	130	225	45	135	175
2126171	PBE204-13/3-R1	80	487	105	196	250	111	114	2xM12/1xM16/1xM20/1xM25	220	160	140	101	119	220	130	225	45	135	175
2126172	PBE204-14/4-R1	80	504	105	220	250	111	114		220	160	140	101	119	220	130	225	45	135	175
2126179	PBE205-11/3-R1	100	494	110	196	250	124	121		220	160	160	111	133	244	130	225	45	135	175
2126180	PBE205-12/4-R1	100	511	110	220	250	124	121		220	160	160	111	133	244	130	225	45	135	175
2126189	PBE206-12/4-R1	100	516	120	220	250	155	126,5		220	160	180	123	151	274	130	225	45	135	175

* Attention, H3 > H1. Le montage sur un support plan n'est pas possible, il est nécessaire d'ajouter une cale ou de monter la pompe sur un massif adapté.

DIMENSIONS – MOTEUR ≤ 5,5KW



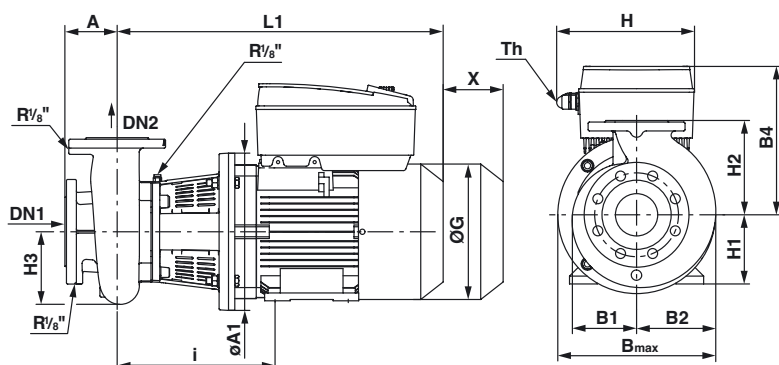
DNA	ØD	Øg	Øc	n x Ø
	mm	mm	mm	n x mm
50	165	99	125	4 x 19
65	185	118	145	4 x 19
80	200	132	160	8 x 19
100	220	156	180	8 x 19
125	250	184	210	8 x 19
150	285	211	240	8 x 23

DNA	ØD	Øg	Øc	n x Ø
	mm	mm	mm	n x mm
32	140	76	100	4 x 19
40	150	84	110	4 x 19
50	165	99	125	4 x 19
65	185	118	145	4 x 19
80	200	132	160	8 x 19
100	220	156	180	8 x 19
125	250	184	210	8 x 19

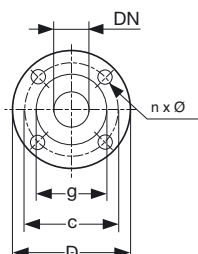
Code article	Désignation	A	L1	X	ØG	Ø A1	H3	I	Th	H	H1	H2	B1	B2	B max	B4	M1	M2	N1	N2	Δ	Δ
		mm										mm										
2126166	PBE203-17/5.5-R1	80	572	100	266	325	122	284	1xM12/2xM16/1xM20/1xM25	260	132	160	113	129	310	303	140	180	216	256	12	53
2144338	PBE203-21/7.5-R1	80	579	100	266	325	145	292	1xM12/2xM16/1xM20/1xM25	260	132	180	145	149	300	303	140	180	216	256	12	53
2154324	PBE203-22/11-R1-IE4	80	708	100	305	350	145	352	2xM12/1xM16/1xM20/1xM40	320	160	180	145	149	350	441	210	305	254	310	15	65
2126173	PBE204-16/5.5-R1	80	573	100	266	325	132	285	1xM12/2xM16/1xM20/1xM25	260	132	160	120	135	310	303	140	180	216	256	12	53
2126174	PBE204-17/7.5-R1	80	573	100	266	325	132	285	1xM12/2xM16/1xM20/1xM25	260	132	160	120	135	325	303	140	180	216	256	12	53
2126175	PBE204-18/7.5-R1	100	586	105	266	325	145	299	1xM12/2xM16/1xM20/1xM25	260	132	180	145	151	300	303	140	180	216	256	12	53
2154325	PBE204-21/11-R1-IE4	100	715	100	305	350	145	359	2xM12/1xM16/1xM20/1xM40	320	160	180	145	151	350	441	210	305	254	310	15	65
2154326	PBE204-22/15-R1-IE4	100	715	100	305	350	145	359	2xM12/1xM16/1xM20/1xM40	320	160	180	145	151	350	441	210	305	254	310	15	65
2154327	PBE204-23/18.5-R1-IE4	100	782	120	350	350	174	363	2xM12/1xM16/1xM20/1xM40	320	160	225	174	174	350	463	254	305	254	310	15	65
2154328	PBE204-24/22-R1-IE4	100	782	120	350	350	174	363	2xM12/1xM16/1xM20/1xM40	320	160	225	174	174	350	463	254	305	254	310	15	65
2126181	PBE205-13/5.5-R1	100	583	110	266	325	124	296	1xM12/2xM16/1xM20/1xM25	260	132	160	111	133	300	303	140	180	216	256	12	53
2126182	PBE205-14/7.5-R1	100	583	110	266	325	124	296	1xM12/2xM16/1xM20/1xM25	260	132	160	111	133	300	303	140	180	216	256	12	53
2126183	PBE205-15/7.5-R1	100	581	120	266	325	152	293	1xM12/2xM16/1xM20/1xM25	260	132	180	127	147	325	303	140	180	216	256	12	53
2154329	PBE205-17/11-R1-IE4	100	718	120	305	350	152	362	2xM12/1xM16/1xM20/1xM40	320	160	180	127	147	350	441	210	305	254	310	15	65
2154330	PBE205-20/15-R1-IE4	100	715	110	305	350	159	359	2xM12/1xM16/1xM20/1xM40	320	160	200	153	172	350	441	210	305	254	310	15	65
2154331	PBE205-21/18.5-R1-IE4	100	778	110	350	350	159	359	2xM12/1xM16/1xM20/1xM40	320	160	200	153	172	350	463	254	305	254	310	15	65
2154332	PBE205-22/22-R1-IE4	100	778	110	350	350	159	359	2xM12/1xM16/1xM20/1xM40	320	160	200	153	172	350	463	254	305	254	310	15	65
2126190	PBE206-13/5.5-R1	100	617	120	266	325	155	301	1xM12/2xM16/1xM20/1xM25	260	132	180	123	151	300	303	140	180	216	256	12	53
2126191	PBE206-14/7.5-R1	100	623	120	266	325	155	301	1xM12/2xM16/1xM20/1xM25	260	132	180	123	151	300	303	140	180	216	256	12	53
2154333	PBE206-16/11-R1-IE4	100	728	120	305	350	155	370	2xM12/1xM16/1xM20/1xM40	320	160	200	136	162	350	441	210	305	254	310	15	65
2154334	PBE206-17/15-R1-IE4	100	728	120	305	350	155	370	2xM12/1xM16/1xM20/1xM40	320	160	200	136	162	350	441	210	305	254	310	15	65
2154335	PBE206-19/18.5-R1-IE4	100	732	120	350	350	170	374	2xM12/1xM16/1xM20/1xM40	320	160	225	156	181	356	463	254	305	254	310	15	65
2154336	PBE206-21/22-R1-IE4	100	732	120	350	350	170	374	2xM12/1xM16/1xM20/1xM40	320	160	225	156	181	356	463	254	305	254	310	15	65
2154337	PBE208-14.5/11-R1-IE4	125	735	135	305	350	178	377	2xM12/1xM16/1xM20/1xM40	320	160	225	160	196	380	441	210	305	254	310	15	65
2154338	PBE208-15/15-R1-IE4	125	735	135	305	350	178	377	2xM12/1xM16/1xM20/1xM40	320	160	225	160	196	380	441	210	305	254	310	15	65
2154340	PBE208-16.5/22-R1-IE4	125	735	135	350	350	178	377	2xM12/1xM16/1xM20/1xM40	320	180	225	160	196	380	463	254	305	254	310	15	65
2154339	PBE208-16/18.5-R1-IE4	125	735	135	350	350	178	377	2xM12/1xM16/1xM20/1xM40	320	160	225	160	196	380	463	254	305	254	310	15	65
2126188	PBE405-27/5.5-R1	100	593	110	266	300	179	306	1xM12/2xM16/1xM20/1xM25	260	132	225	174	186	360	303	140	180	216	256	12	53
2126196	PBE406-24/5.5-R1	100	620	120	266	300	200	304	1xM12/2xM16/1xM20/1xM25	260	132	250	214	237	387	303	140	180	216	256	12	53
2113533	PBE406-26.5/7.5-R1	100	620	120	266	325	200	304	1xM12/2xM16/1xM20/1xM25	260	132	250	214	237	387	303	140	180	216	256	12	53
2144343	PBE408-22/5.5-R1	125	605	120	266	300	178	318	1xM12/2xM16/1xM20/1xM25	260	132	250	170	197	367	303	140	180	216	256	12	53
2144344	PBE408-25/7.5-R1	125	676	120	266	325	199	309	1xM12/2xM16/1xM20/1xM25	260	132	280	192	218	410	303	140	180	216	256	12	53

* Attention, H3 > H1. Le montage sur un support plan n'est pas possible, il est nécessaire d'ajouter une cale ou de monter la pompe sur un massif adapté.

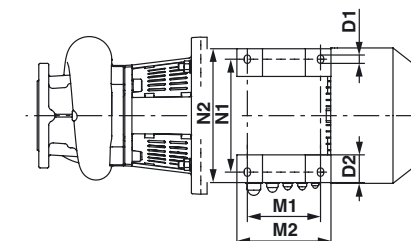
DIMENSIONS – MOTEUR $\geq 5,5\text{KW}$



Brides
PN16 - EN 1092-2



DNA	ØD	Øg	Øc	n x Ø
	mm	mm	mm	n x mm
50	165	99	125	4 x 19
65	185	118	145	4 x 19
80	200	132	160	8 x 19
100	220	156	180	8 x 19
125	250	184	210	8 x 19
150	285	211	240	8 x 23



DNA	ØD	Øg	Øc	n x Ø
	mm	mm	mm	n x mm
32	140	76	100	4 x 19
40	150	84	110	4 x 19
50	165	99	125	4 x 19
65	185	118	145	4 x 19
80	200	132	160	8 x 19
100	220	156	180	8 x 19
125	250	184	210	8 x 19

Code article	Désignation	A	L1	X	ØG	Ø A1	H3	I	Th	H	H1	H2	B1	B2	B max	B4	M1	M2	N1	N2	⌀	⌀
		mm										mm										
2154341	PBE408-27/11-R1-IE4	125	727	120	350	350	199	369	2xM12/1xM16/1xM20/1xM40	320	160	280	192	218	410	463	210	305	254	310	15	65
2144346	PBE410-20/5.5-R1	125	618	120	266	300	196	331	1xM12/2xM16/1xM20/1xM25	260	132	280	176	211	387	303	140	180	216	256	12	53
2144347	PBE410-22/7.5-R1	125	618	120	266	325	196	331	1xM12/2xM16/1xM20/1xM25	260	132	280	176	211	387	303	140	180	216	256	12	53
2154342	PBE410-25/11-R1-IE4	140	741	130	350	350	219	383	2xM12/1xM16/1xM20/1xM40	320	160	280	200	232	432	463	210	305	254	310	15	65
2154343	PBE410-27/15-R1-IE4	140	741	130	350	350	219	383	2xM12/1xM16/1xM20/1xM40	320	160	280	200	232	432	463	210	305	254	310	15	65
2154344	PBE410-30.5/18.5-R1-IE4	140	837	120	390	400	250	431	2xM12/1xM16/1xM20/1xM40	320	180	315	263	297	560	483	241	342	279	339	15	70
2154345	PBE410-31.5/22-R1-IE4	140	837	120	390	400	250	431	2xM12/1xM16/1xM20/1xM40	320	180	315	263	297	560	483	279	342	279	339	15	70
2126210	PBE412-18.5/5.5-R1	140	631	160	266	300	232	343	1xM12/2xM16/1xM20/1xM25	260	132	315	232	280	513	303	140	180	216	256	12	53
2126211	PBE412-21/7.5-R1	140	631	160	266	325	232	343	1xM12/2xM16/1xM20/1xM25	260	132	315	232	280	513	303	140	180	216	256	12	53
2154346	PBE412-22.5/11-R1-IE4	140	762	120	350	350	232	404	2xM12/1xM16/1xM20/1xM40	320	160	315	232	280	513	463	210	305	254	310	15	65
2154347	PBE412-24.5/15-R1-IE4	140	781	120	350	350	250	435	2xM12/1xM16/1xM20/1xM40	320	160	355	252	294	546	463	210	305	254	310	15	65
2154348	PBE412-26.5/18.5-R1-IE4	140	842	120	390	400	250	435	2xM12/1xM16/1xM20/1xM40	320	180	355	252	294	546	483	241	342	279	339	15	70
2154349	PBE412-27.5/22-R1-IE4	140	842	120	390	400	250	435	2xM12/1xM16/1xM20/1xM40	320	180	355	252	294	546	483	279	342	279	339	15	70

* Attention, H3 > H1. Le montage sur un support plan n'est pas possible, il est nécessaire d'ajouter une cale ou de monter la pompe sur un massif adapté.