

PLUS



PLUS 18

CARATTERISTICHE / CHARACTERISTICS / CARACTERISTICAS / CARATERISTIQUES



UTILIZZI - Pompe centrifughe multistadio orizzontali con corpo pompa in acciaio cromo-nickel AISI 304. Movimentazione di liquidi non carichi nei settori civili, agricoli ed industriali; sistemi di pressurizzazione; irrigazione; acque potabili o con glicole in soluzione; trattamento acque; industria alimentare; riscaldamento e condizionamento; sistemi di lavaggio.

VANTAGGI - Versione monoblocco compatta con ingombri ridotti; estrema silenziosità di funzionamento; ottimo rendimento con una notevole diminuzione dei costi d'esercizio e delle potenze impegnate; economica; cuscinetti motore sovradimensionati per una maggior durata; cuscinetto intermedio guida-albero che garantisce coassialità di rotazione.

CARATTERISTICHE COSTRUTTIVE - Portata fino a 26 m³/h; prevalenza fino a 78 m; pressione massima di esercizio 8 bar (9 bar con 7 giranti); temperatura d'esercizio del liquido pompato: da +5 a +35 °C; temperatura ambiente max 40 °C.

MOTORE - Motore a 2 poli ad induzione; monofase 230V - 50 Hz dotati di protezione termica fino a P2= 1,85 Kw; Trifase 230/400 V - 50 Hz; isolamento classe F; protezione IP 44.

MATERIALI - Corpo pompa, disco tenuta meccanica: acciaio cromo-nickel AISI 304; giranti, diffusori: Noryl® rinforzato con fibra di vetro (GFN2V); albero: acciaio cromo-nickel AISI 303; supporto motore: alluminio stampato; tenuta meccanica: ceramica-grafite fino a 6 stadi - grafite-carburo di silicio da 7 stadi; cuscinetto intermedio guida-albero: ottone-acciaio cromo-nickel AISI 304.

USES - Stainless steel multistage horizontal pumps. Pumping of clean non-loaded fluids in the domestic, agricultural and industrial sectors; pressurizing systems; irrigation; drinking and glycol water; water treatment; food industry; heating and air conditioning; washing system.

ADVANTAGES - Closed coupled and compact; silent; excellent efficiency that allows a reduction of running cost and powers; economical; over-dimensioned bearings for longer life of the machines; intermediate shaft guiding stage for concentricity of rotation.

CONSTRUCTION FEATURES - Capacity: up to 26 m³/h; total Head: up to 78 m.; maximum working pressure: 8 bar (9 bar with 7 impellers); maximum suction Head up to; maximum liquid temperature: from +5 up to +35 °C; ambient temperature: max 40 °C.

MOTOR - 2 Pole induction Motor; single Phase 230V - 50Hz with thermal protector up to P2= 1,85 Kw; Three Phase 230-400V - 50 Hz; insulation class F; protection degree IP 44.

CONSTRUCTION FEATURES - Pump body, mechanical seal disc holder: chromo-nickel steel AISI 304; impellers, diffusers: Noryl® reinforced with fiber glass (GFN2V); pump shaft: AISI 304 chromo-nickel steel; motor bracket: aluminum alloy; mechanical seal: ceramic-graphite up to 6 stages - graphite-silicon carbide from 7 stages; intermediate shaft guiding stage bush: brass-AISI 304 chromo-nickel steel.

UTILIZACIONES - Bombas centrífugas multietapas horizontales con cuerpo bomba en acero cromo-níquel Aisi 304. Bombeo de líquidos química y mecánicamente no agresivos en el sector doméstico, agrícola e industria; sistemas de presurización; riegos; agua potable o con glicol; tratamientos del agua; industria alimenticia; calefacción y refrigeración; sistemas de lavado.

VENTAJAS - Versión monobloc compacta con medidas reducidas; extrema silenciosidad de funcionamiento; excelente rendimiento con desminución de los costes de ejercicio y de las potencias; económica; cojinetes del motor sobredimensionados para una mayor duración; cojinete intermedio guía-eje que garantiza la coaxialidad de rotación.

CARACTERÍSTICAS CONSTRUCTIVAS - Caudal hasta los 26 m³/h; prevalencia hasta los 78 mt.; máxima presión de ejercicio 8 bar (9 bar con 7 rodets); temperatura de ejercicio del líquido bombeado: de +5 a +35 °C; temperatura del ambiente max 40 °C.

MOTOR - Motor de 2 polos a inducción; monofasico 230v-50hz dotado de protección térmica hasta P2= 1,85 Kw; Trifasico 230/400v-50hz; aislamiento clase F; protección IP44.

MATERIALES - Cuerpo bomba, disco sello mecánico: acero cromo-níquel AISI 304; rodets, difusores: Noryl® reforzado con fibra de vidrio (GFN2V); eje: acero cromo-níquel AISI 303; soporte motor: aluminio estampado; sello mecánico: cerámica-grafito hasta los 6 estadios - grafito-carburo de silicio de los 7 estadios; cojinete intermedio guía-eje: latón-acero cromo-níquel AISI 304.

UTILISATION - Pompes multicellulaires horizontales en acier inox. Pour le pompage d'eaux propres non chargées pour des applications domestiques, agricoles, industrielles; groupes de surpression; irrigation; eau potable ou solution de glycol; traitement des eaux; industrie alimentaire; chauffage et Climatisation; stations de lavage auto.

AVANTAGES - Version monobloc compact; silencieux; rendement excellent avec une diminution remarquable des coût de fonctionnement et des puissance; économique; roulements surdimensionnés et étage de guidage intermédiaire pour une durée de vie prolongée des machines; roulement intermédiaire étage de guidage qui garantie le coaxialité de rotation.

CARACTÉRISTIQUES D'EXÉCUTION - Débit jusqu'à 26 m³/h; hauteur jusque'à 78 m.; pression max. de fonctionnement 8 bar (9 bar avec 7 roues); température du liquide pompé: de +5 à +35 °C; température ambiante max 40 °C.

MOTEUR - Moteur 2 pôles à induction; monophasé 230 V - 50 Hz avec protection thermique jusqu'à P2=1,85 Kw; triphasé 230/400 V - 50 Hz; isolation en classe F; degré de protection IP 44.

MATERIAUX - Corps de pompe, disque porte-garniture: acier au chrome-nickel AISI 304; roues, diffuseurs: Noryl® renforcé avec fibre de verre (GFN2V); arbre: acier au chrome-nickel AISI 303; support moteur: alliage d'aluminium; garniture mécanique: céramique - graphite jusqu'à 6 étages, graphite - carbure de silicium à partir de 7 étages; douilles étage de guidage intermédiaire: laiton-acier au chrome-nickel AISI 304.

PLUS

ELETTROPOMPE
multigriganti



PLUS 5



PLUS 9



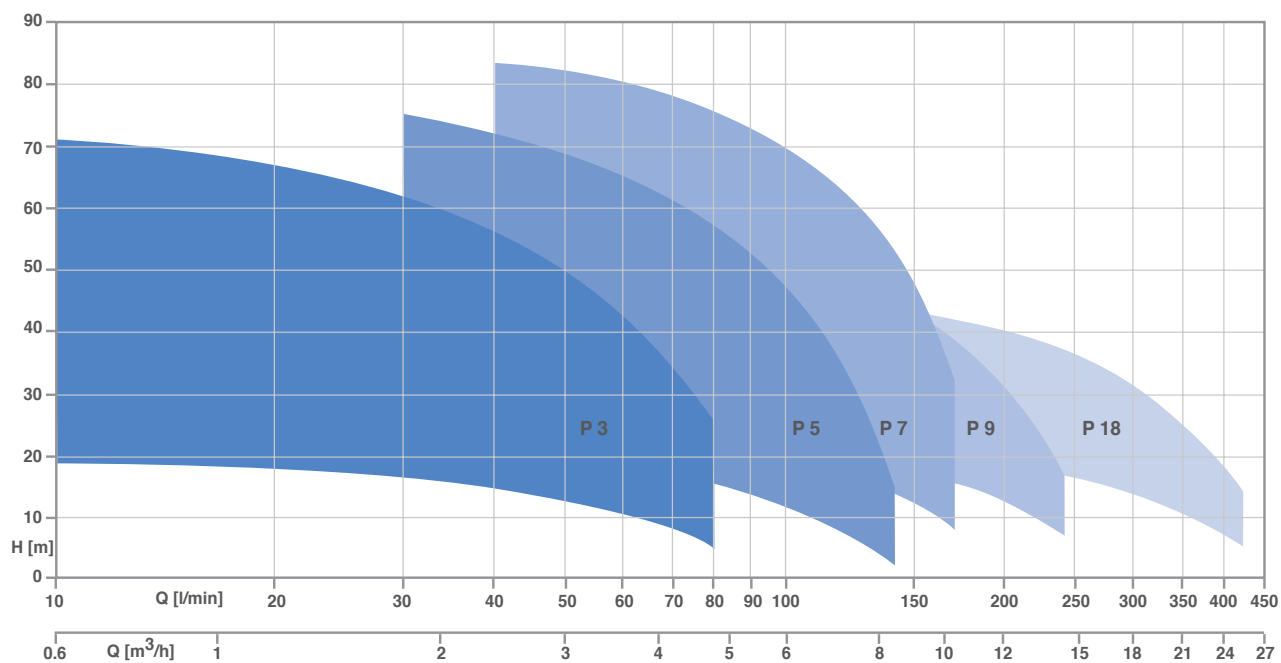
PLUS 7



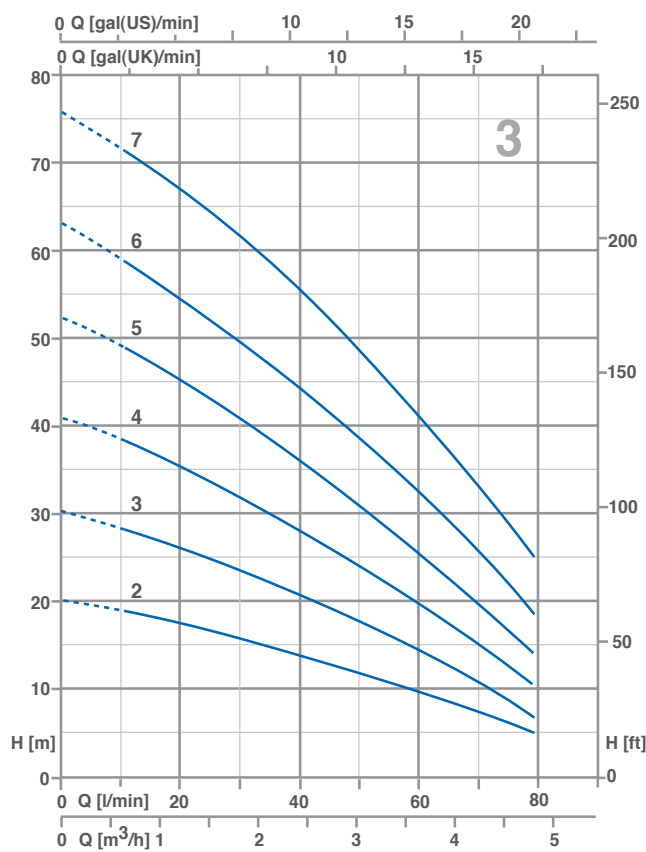
PLUS 3

P 5 - 120 / 4 T

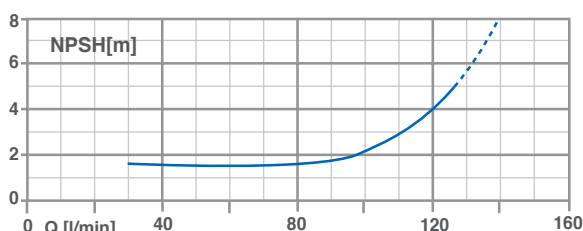
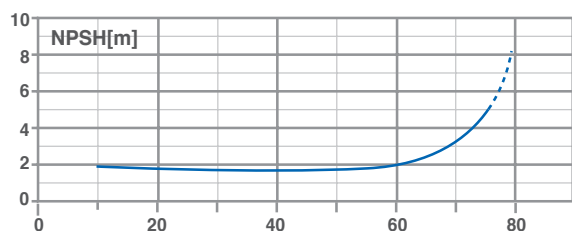
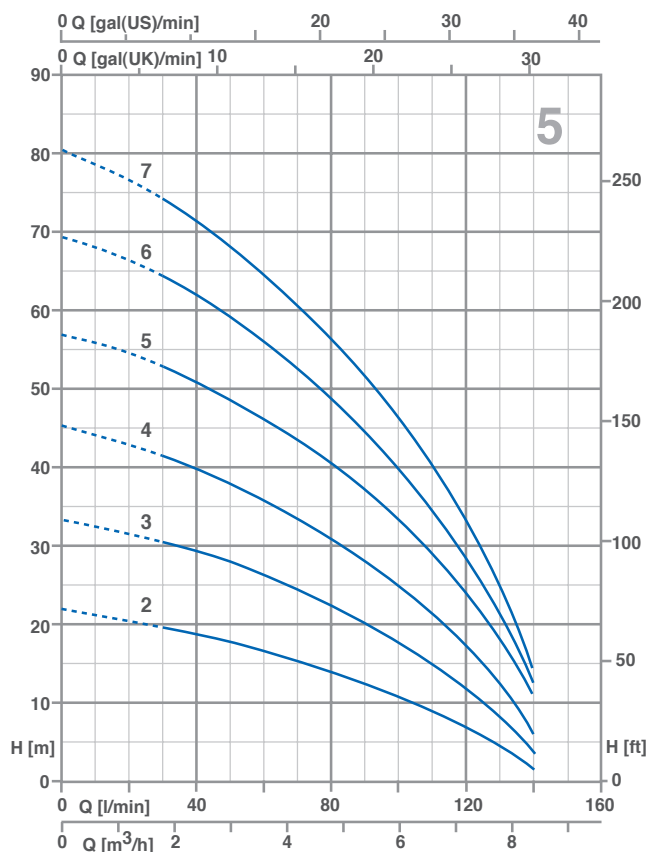
Trifase - Three-phase
n° giranti - no. of impellers
Potenza nominale in HPx100 - Nominal Power HPx100
Portata nominale in m³/h - Nominal flow-rate m³/h
Tipo - Type **PLUS**



PLUS 3



PLUS 5



Dati tecnici / Technical data / Datos técnicos / Données techniques

TIPO / TYPE / MODELO / MODÈLE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					0	0.6	1.2	1.8	2.4	3.6	4.8			
						0	10	20	30	40	60	80			
230 V - 50 Hz	230 / 400 V - 50 Hz					(HP)	(kW)	1~	3~	1x230V 50Hz	3x400V 50Hz	H (m)			
P 3-50/2	P 3-50/2 T	0.5	0.37	0.45	0.46	2	0.9	20.2	18.8	17.3	15.3	13.7	9.5	4.9	
P 3-70/3	P 3-70/3 T	0.7	0.51	0.65	0.63	2.9	1.2	30	27.9	25.4	23	20.3	14	6.7	
P 3-90/4	P 3-90/4 T	0.9	0.66	0.9	0.88	4	1.8	40.8	38.3	35.1	31.8	27.9	19.8	10.4	
P 3-100/5	P 3-100/5 T	1	0.75	1.06	1.01	4.8	1.9	52.2	48.9	45.1	40.8	36	25.4	14	
P 3-120/6	P 3-120/6 T	1.2	0.9	1.23	1.23	5.6	2.6	62.8	58.7	54.5	49.6	43.9	32.1	18.3	
P 3-150/7	P 3-150/7 T	1.5	1.1	1.54	1.45	7.1	2.9	75.5	71.3	66.6	61.2	54.8	41.1	24.9	

TIPO / TYPE / MODELO / MODÈLE		P2		P1 (kW)		AMPERE		Q (m ³ /h - l/min)							
1~	3~					0	1.8	2.4	3.6	4.8	6	7.2	8.4		
						0	30	40	60	80	100	120	140		
230 V - 50 Hz	230 / 400 V - 50 Hz					(HP)	(kW)	1~	3~	1x230V 50Hz	3x400V 50Hz	H (m)			
P 5-70/2	P 5-70/2 T	0.7	0.51	0.61	0.58	2.7	1.1	22	19.7	18.7	16.6	14	10.8	6.8	1.8
P 5-80/3	P 5-80/3 T	0.8	0.6	0.86	0.79	3.9	1.5	33.4	30.3	29	26	22.5	17.6	12	3.9
P 5120/4	P 5-120/4 T	1.2	0.9	1.13	1.13	5.2	2.5	45.3	41.3	39.6	35.6	30.8	24.9	17.6	6.4
P 5-150/5	P 5-150/5 T	1.5	1.1	1.47	1.39	6.8	2.8	56.8	53	51	46.1	40.1	33.3	24.8	11.5
P 5-180/6	P 5-180/6 T	1.8	1.3	1.7	1.62	7.7	3	69.3	64.4	62	55.6	48.2	39.6	28.8	12
P 5-200/7	P 5-200/7 T	2	1.5	2	1.86	9	3.4	80.3	73.6	71	64.5	56.1	46	33.4	12.5

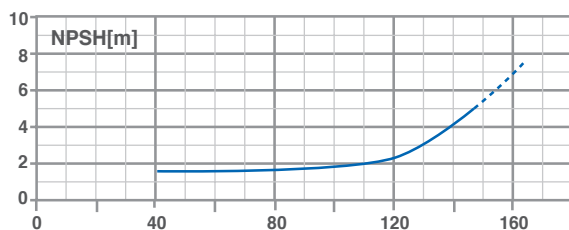
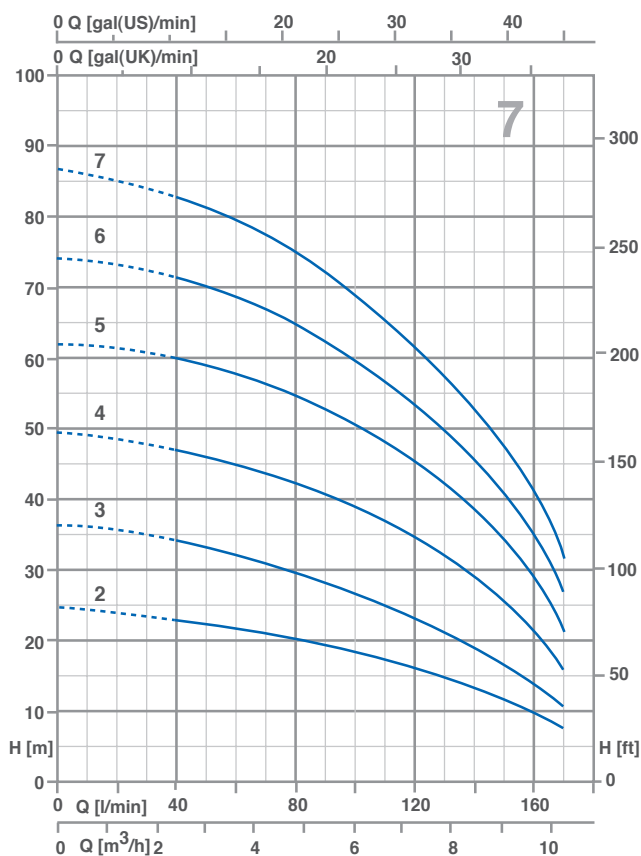
multistage ELECTRIC PUMPS

multicellulaires ELECTROPOMPES

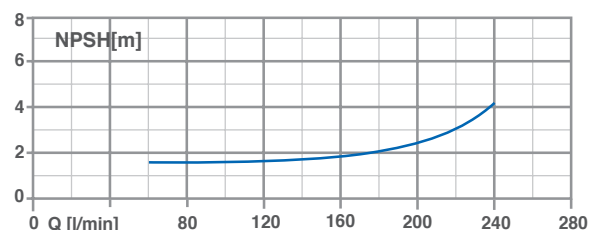
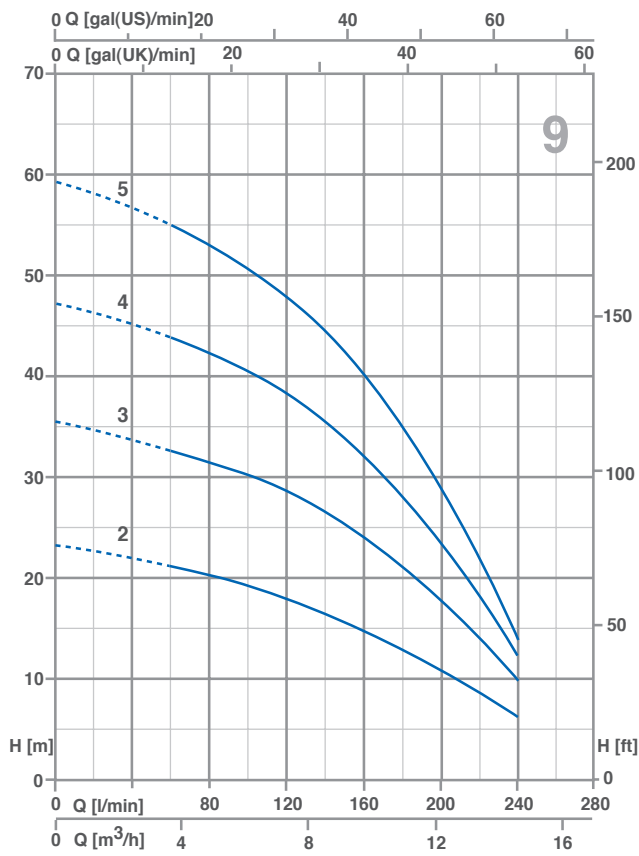
multicelulares ELETCTROBOMBAS

PLUS

PLUS 7



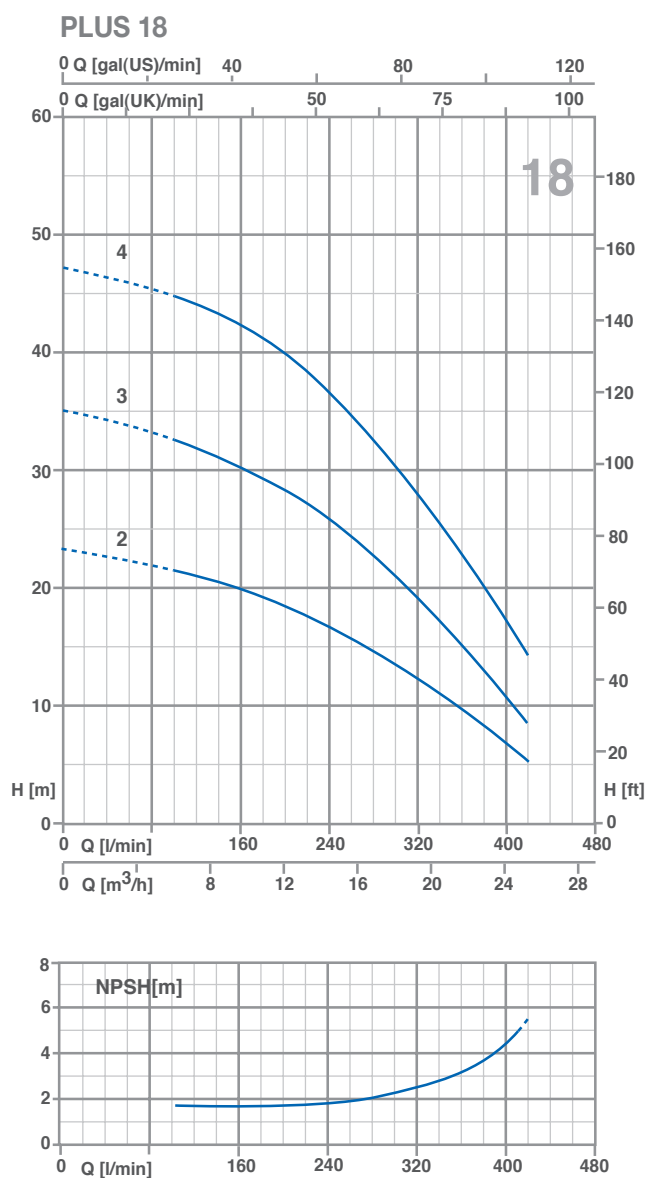
PLUS 9



Dati tecnici / Technical data / Datos técnicos / Données techniques

TIPO / TYPE / MODELO / MODÈLE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
1~	3~					1~	3~	0	2.4	3.6	4.8	6	7.2	8.4	9.6	10.2	
230 V - 50 Hz	230 / 400 V - 50 Hz	(HP)	(kW)	1~	3~	1x230V 50Hz	3x400V 50Hz	0	40	60	80	100	120	140	160	170	
								H (m)									
P 7-100/2	P 7-100/2 T	1	0.75	0.97	0.9	4.4	1.7	24.8	23.4	22	20.5	18.7	16.3	13.6	10.2	8.3	
P 7-120/3	P 7-120/3 T	1.2	0.9	1.32	1.3	5.9	2.6	36.7	34	32	29.6	26.5	23	18.6	13.8	11	
P 7-180/4	P 7-180/4 T	1.8	1.3	1.83	1.71	8.3	3.2	49.5	47.4	45.3	42.5	39.2	34.8	29.4	22.6	16.9	
P 7-250/5	P 7-250/5 T	2.5	1.85	2.39	2.15	10.9	4.2	62.6	60.6	58.2	55.1	51.1	45.8	39	29.8	21.5	
P 7-300/6	P 7-300/6 T	3	2.2	2.68	2.63	12.2	5	74.8	71.5	68.3	64.5	59.3	53	44.6	34.5	26.7	
-	P 7-350/7 T	3.5	2.57	-	3.04	-	5.5	87.2	83.3	79.3	74.6	68.9	61.9	52.5	41	32.2	

TIPO / TYPE / MODELO / MODÈLE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
1~	3~					1~	3~	0	3.6	4.8	6	7.2	8.4	9.6	10.8	12	13.2
230 V - 50 Hz	230 / 400 V - 50 Hz	(HP)	(kW)	1~	3~	1x230V 50Hz	3x400V 50Hz	0	60	80	100	120	140	160	180	200	220
								H (m)									
P 9-100/2	P 9-100/2 T	1	0.75	0.98	0.92	4.4	1.7	23	20.9	20	19.1	17.9	16.6	15	13.2	11.1	8.9
P 9-150/3	P 9-150/3 T	1.5	1.1	1.43	1.38	6.7	2.8	35.2	32.6	31.5	30.3	28.8	26.9	24.5	21.5	18.3	14.7
P 9-200/4	P 9-200/4 T	2	1.5	1.88	1.77	8.4	3.3	47.1	43.5	42	40.5	38.3	35.7	32.4	28.4	23.8	18.9
P 9-250/5	P 9-250/5 T	2.5	1.85	2.32	2.18	10.6	4.3	59.2	54.4	52.4	50.4	47.9	44.8	40.5	35.5	29.8	23.5



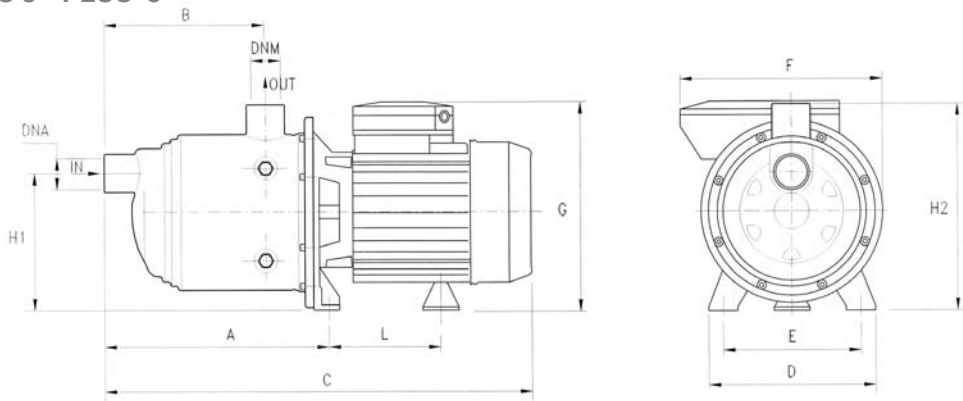
Dati tecnici / Technical data / Datos técnicos /Données techniques

TIPO/TYPE MODELO/MODÈLE	P2		P1 (kW)	AMPERE	Q (m ³ /h - l/min)																	
				3~	0	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24	25.2
					0	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420
	3~	H (m)																				
230 / 400 V - 50 Hz	(HP)	(kW)	3~	3x400V 50Hz																		
P 18-180/2 T	1.8	1.3	1.52	3	23.1	21.4	21	20.5	19.9	19.2	18.4	17.6	16.7	15.7	14.7	13.5	12.1	10.9	9.7	8.3	7	5.5
P 18-250/3 T	2.5	1.85	2.19	4.3	35	32.7	32.2	31.4	30.5	29.5	28.3	26.7	25.5	24.3	22.8	21.2	19.3	17.3	15.1	12.9	10.8	8.7
P 18-400/4 T	4	3	2.99	5.5	47.2	44.6	44.1	43.3	42.4	41.2	40	38.5	36.7	34.9	32.9	30.5	27.9	25.3	22.7	20	17.1	14.3

PLUS

Dimensioni / Dimensions / Dimensiones / Dimensions

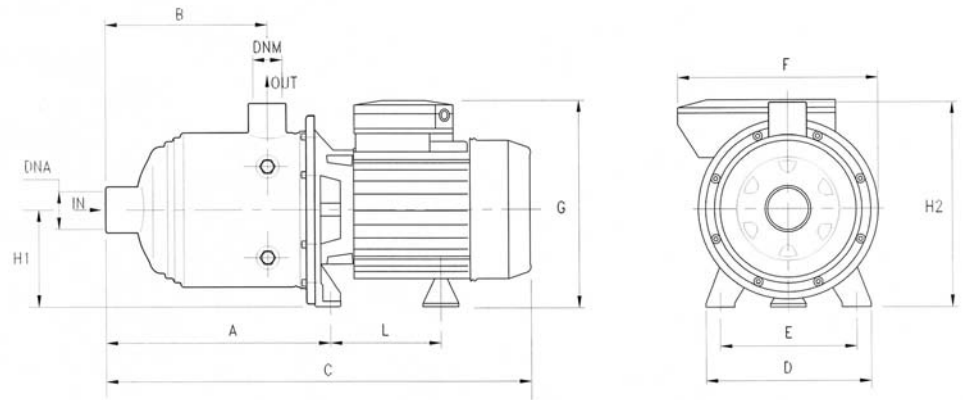
PLUS 3 - PLUS 5



TIPO / TYPE MODELO / MODÈLE	DIMENSIONI / DIMENSIONS / DIMENSIONES / DIMENSIONS (mm)										DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2		
P 3-50/2	166.8	103	333	164	140	178	195	93.7	128	192	1" G	1" G
P 3-70/3	166.8	103	333	164	140	178	195	93.7	128	192		
P 3-90/4	190.8	127	357	164	140	178	195	104.7	128	192		
P 3-100/5	214.8	151	404	164	140	178	203	104.7	128	192		
P 3-120/6	238.8	175	428	164	140	178	203	104.7	128	192		
P 3-150/7	262.8	199	483	164	140	201	211	104.7	128	198		
P 5-70/2	166.8	103	333	164	140	178	195	93.7	128	192		
P 5-80/3	166.8	103	357	164	140	178	203	93.7	128	192		
P 5-120/4	190.8	127	380	164	140	178	203	104.7	128	192		
P 5-150/5	214.8	151	436	164	140	201	211	128.2	134	198		
P 5-180/6	238.8	175	459	164	140	201	211	128.2	134	198		
P 5-200/7	262.8	199	483	164	140	201	211	128.2	134	198		

Dimensioni / Dimensions / Dimensiones / Dimensions

PLUS 7 - PLUS 9 - PLUS 18



TIPO / TYPE MODELO / MODÈLE	DIMENSIONI / DIMENSIONS / DIMENSIONES / DIMENSIONS (mm)										DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2		
P 7-100/2	166.8	103	356	164	140	178	203	93.7	92	192	1"1/4 G	1" G
P 7-120/3	166.8	103	356	164	140	178	203	93.7	92	192		
P 7-180/4	190.8	127	411	164	140	201	211	128.2	98	198		
P 7-250/5	214.8	151	436	164	140	201	211	128.2	98	198		
P 7-300/6	238.8	175	459	164	140	201	211	128.2	98	198		
P 7-350/7	262.8	199	527	164	140	201	230	148.2	103	203	1"1/2 G	1"1/4 G
P 9-100/2	185.8	122	375	164	140	176	203	104.7	92	192		
P 9-150/3	185.8	122	375	164	140	201	211	128.2	98	198		
P 9-200/4	216	152	436	164	140	201	211	128.2	98	198		
P 9-250/5	246	182	464	164	140	201	211	128.2	98	198	2" G	1"1/2 G
P 18-180/2 T	201	137	432	164	140	201	211	128.2	98	198		
P 18-250/3 T	238.5	174.5	432	164	140	201	211	128.2	98	198		
P 18-400/4 T	276	212	514	164	140	201	230	148.2	103	203		