



# NIAGARA

**General Catalogue**  
**Catálogo General**  
**Catalogue général**



## NIAGARA

FUTURE INTELLIGENT PUMPS



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# CHL

n ≈ 2900 rpm

**SS304 horizontal multistage pump**  
**Bomba de etapas múltiples inox304**  
**Pompe multicellulaire inox304**



#### DESCRIPTION/DESCRIPCIONES/DESCRIPTION

- SS304 horizontal, multistage centrifugal pump.
  - New design noiseless, energy-saving multistage pump.
  - Compact and proportional design.
  - Ensuring durability and easy in operation.
  - All wetted parts are in stainless steel.
  - YE3 high efficient motor, with protection IP55 class F.
  - Quality bearing, wear resistance mechanical seal.
  - Liquid temperature between -10°C and +120°C.
- Inox 304 bomba centrífuga horizontal de etapas múltiples.
  - Nuevo diseño bomba que silencioso y ahorra energía.
  - El diseño compacto y proporcional.
  - Asegurando durabilidad y fácil operación.
  - Todas las partes húmedas son de acero inoxidable.
  - Motor de alta eficiencia YE3, con protección IP55 clase F.
  - Rodamiento de calidad y cierre mecánico personalizado.
  - Temperatura del líquido entre -10 °C y + 120 °C.
- Pompe centrifuge multicellulaire horizontal inox 304.
  - Nouvelle conception de pompe silencieuse et économe.
  - La conception compacte et proportionnelle.
  - Assurer la durabilité et facile à utiliser.
  - Toutes les pièces en contact avec le fluide sont en inox.
  - Moteur haute efficacité YE3, avec protection IP55 classe F.
  - Roulement qualité, joint mécanique résistance à l'usure.
  - Température du liquide entre -10°C et + 120°C.

#### APPLICATIONS/APLICACIONES/APPLICATIONS

- The stainless steel multistage pumps are suitable for industrial processing systems, washing and cleaning systems, pumping of acids and alkalis, filtration systems, water pressure boosting, water Treatment, HVAC, irrigation, fire protection systems etc.
- Las bombas multietapa de acero inoxidable son adecuadas para sistemas de procesamiento industrial, sistemas de lavado y limpieza, bombeo de ácidos y álcalis, sistemas de filtración, aumento de la presión del agua, HVAC, riego, sistemas de protección contra incendios, etc.
- Les pompes à plusieurs étages en acier inoxydable conviennent systèmes de traitement industriel, systèmes de lavage et de nettoyage, pompage des acides et des alcalis, systèmes de filtration, à la surpression, traitement de l'eau, CVC, à l'irrigation, systèmes de protection contre les incendies, etc.

#### MODEL CODE/CÓDIGO MODELO/CODE MODÈLE

For example/ Por ejemplo/ Par exemple

**CHL (m) 8 - 5**

8=Rated flow(m<sup>3</sup>/h)  
Caudal nominal (m<sup>3</sup>/h)  
Débit nominal (m<sup>3</sup>/h)

5=Stage/Etapa/Étape

**CHL**=Three phase horizontal multistage pump  
Bomba multietapa horizontal trifásica  
Pompe multicellulaire horizontale triphasée

**CHLm**=Single phase horizontal multistage pump  
Bomba multietapa horizontal monofásica  
Pompe multicellulaire horizontale monophasée

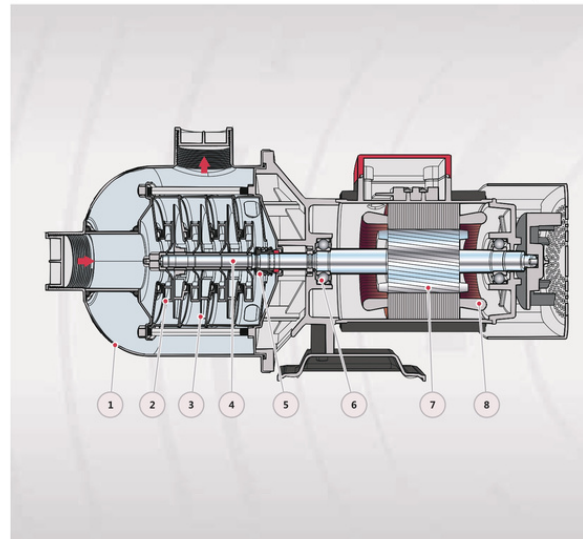


#### TECHNICAL DATA/DATOS TÉCNICOS/DONNÉES TECHNIQUES

50 Hz n≈2900 l/min

MODEL MODELO MODÈLE	DN	Power Potencia Puissance	Q=DELIVERY/CAUDAL/DÉBIT																					
			GPM 0	2.2	4.4	6.6	8.8	10.6	15.4	17.6	22.0	30.8	35.2	44.1	48.5	52.9	61.7	70.5	88.1	96.9	105.7	123		
				H=Head/Altura/Hauteur(m)																				
1-ph	3-ph	mm	kw	hp	0	0.5	1	1.5	2	2.4	3.5	4	5	7	8	10	11	12	14	16	20	22	24	28
CHLm2-2	CHL2-2	25x25	0.37	0.5	19	19	18	16.5	15	13	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLm2-3	CHL2-3	25x25	0.37	0.5	28.5	28	26.5	24.5	22	20	12	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLm2-4	CHL2-4	25x25	0.55	0.75	37	36	34.5	33	29	26	16	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLm2-5	CHL2-5	25x25	0.55	0.75	47	45.5	43	40	36	33	20.5	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLm2-6	CHL2-6	25x25	0.75	1	55	53.5	51	48	44	40	24	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLm4-2	CHL4-2	32x25	0.37	0.5	19	-	19	18.7	18	18	16	15	12.5	8	-	-	-	-	-	-	-	-	-	-
CHLm4-3	CHL4-3	32x25	0.55	0.75	28.5	-	28	27.7	27	27	25	23.5	20.5	13	-	-	-	-	-	-	-	-	-	-
CHLm4-4	CHL4-4	32x25	0.75	1	38.5	-	37.5	37	36	35.5	32.5	31	27	19	-	-	-	-	-	-	-	-	-	-
CHLm8-1	CHL8-1	50x50	0.75	1	10	-	-	-	-	-	-	10	9.3	7.5	7	-	-	-	-	-	-	-	-	-
CHLm8-2	CHL8-2	50x50	0.75	1	22	-	-	-	-	-	-	20	19	18	15.5	14	-	-	-	-	-	-	-	-
CHLm8-3	CHL8-3	50x50	1.1	1.5	30.5	-	-	-	-	-	-	29.5	28	27	23	21	-	-	-	-	-	-	-	-
CHLm8-4	CHL8-4	50x50	1.5	2	40	-	-	-	-	-	-	39	37	35	30.5	27.5	-	-	-	-	-	-	-	-
CHLm8-5	CHL8-5	50x50	2.2	3	54	-	-	-	-	-	-	51	47.5	45	39.5	36	-	-	-	-	-	-	-	-
CHLm12-1	CHL12-1	50x50	0.75	1	12	-	-	-	-	-	-	11.5	11.2	10.5	10	9.5	8	6	-	-	-	-	-	-
CHLm12-2	CHL12-2	50x50	1.2	1.6	25	-	-	-	-	-	-	23	22.5	21.5	20.5	19.5	17	13	-	-	-	-	-	-
CHLm12-3	CHL12-3	50x50	1.8	2.5	38	-	-	-	-	-	-	35	34.5	32.5	31	29.5	26	20	-	-	-	-	-	-
CHLm12-4	CHL12-4	50x50	2.4	3.3	51	-	-	-	-	-	-	47	46	43.5	41.5	39.5	35	27.5	-	-	-	-	-	-
-	CHL12-5	50x50	3	4	64	-	-	-	-	-	-	60	58	55	52.5	50	44	35	-	-	-	-	-	-
CHLm16-1	CHL16-1	50x50	1.1	1.5	12.8	-	-	-	-	-	-	12.8	12.5	12.3	12	11.5	10.5	8	7	-	-	-	-	-
CHLm16-2	CHL16-2	50x50	2.2	3	27.5	-	-	-	-	-	-	26	25	24.6	24	23	21.7	18	15.5	-	-	-	-	-
-	CHL16-3	50x50	3	4	41.5	-	-	-	-	-	-	40	39	38.6	38	36	34	29	25	-	-	-	-	-
CHLm20-1	CHL20-1	50x50	1.1	1.5	15	-	-	-	-	-	-	13.5	13.3	13	12.5	12	10	9	8	6	-	-	-	-
CHLm20-2	CHL20-2	50x50	2.2	3	28.5	-	-	-	-	-	-	27	26.8	26.5	25.5	25	22	20.5	18.5	14.5	-	-	-	-
-	CHL20-3	50x50	4	5.5	40	-	-	-	-	-	-	39.5	39.3	39	38	37.5	34	31.5	29	23	-	-	-	-

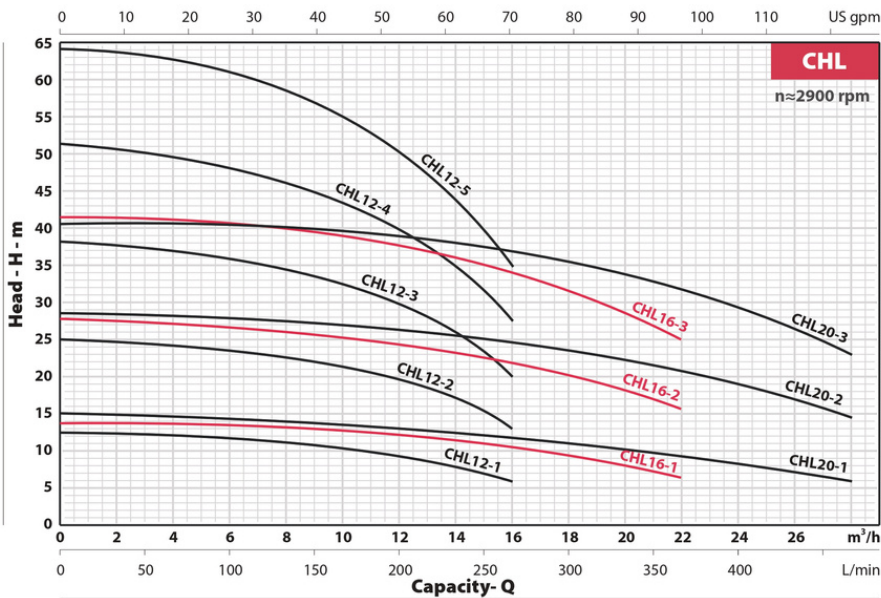
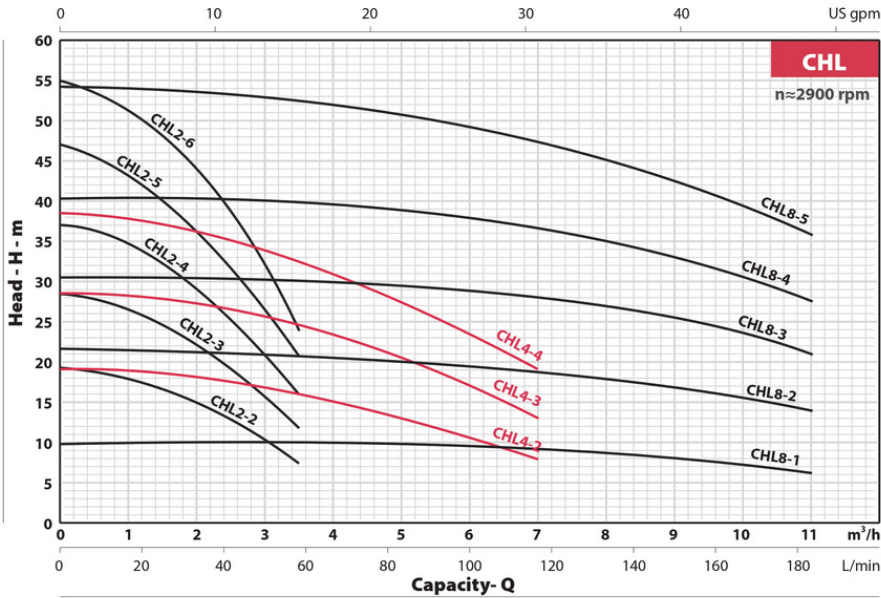
#### MATERIAL DESCRIPTION/DESCRIPCIÓN DE MATERIAL/DESCRIPTION DU MATÉRIEL



No.	Description Descripción Description	Material Material Matériel
1	Pump Case Cuerpo de Bomba Boîtier de pompe	SS304 Inox 304 Inox 304
2	Impeller Impulsor Roue	SS304 Inox 304 Inox 304
3	Diffuser Difusor Diffuseur	SS304 Inox 304 Inox 304
4	Shaft Eje Arbre	SS304 Inox 304 Inox 304
5	Mechanical Seal Cierre Mecánico Garniture mécanique	SIC/Carbon/SS304 SIC/Grafito/Inox304 SIC/Carbon/Inox304
6	Bearing Rodamiento Palier	Ball Bearing Bola Rodamiento Roulement à billes
7	Rotor Rotor Rotor	Silicon Steel Acero al Silicio Acier au silicium
8	Wound Stator Estator Stator	Silicon Steel/Copper Acero al Silicio/Cobre Acier au silicium/Cuivre

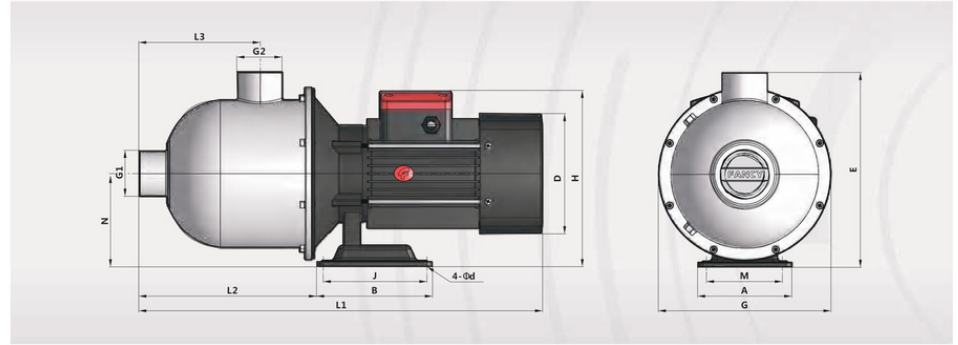
# CHL

PERFORMANCE CURVE/CURVA DE RENDIMIENTO/COURBE DE PERFORMANCE



# NIAGARA

DIMENSIONS AND WEIGHT/DIMENSIONES Y PESOS/DIMENSIONS ET POIDS



MODEL MODELO MODELE		DIMENSIONS/DIMENSIONES/DIMENSIONS														N.W	
1-ph	3-ph	G1	G2	L1	L2	L3	H	D	E	N	A	M	G	B	J	d	kg
		inch	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
CHLm2-2	CHL2-2	1	1	400	160	120	215/230	145	215	110	130	108	165	160	138	9	13
CHLm2-3	CHL2-3	1	1	400	160	120	215/230	145	215	110	130	108	165	160	138	9	13
CHLm2-4	CHL2-4	1	1	400	160	120	215/230	145	215	110	130	108	165	160	138	9	13
CHLm2-5	CHL2-5	1	1	400	160	120	215/230	145	215	110	130	108	165	160	138	9	13
CHLm2-6	CHL2-6	1	1	445	160	120	225/245	170	215	110	130	108	165	160	138	9	15
CHLm4-2	CHL4-2	1.2	1	400	160	120	215/230	145	215	110	130	108	165	160	138	9	12
CHLm4-3	CHL4-3	1.2	1	400	160	120	215/230	145	215	110	130	108	165	160	138	9	15
CHLm4-4	CHL4-4	1.2	1	445	160	120	225/245	170	215	110	130	108	165	160	138	9	15
CHLm8-1	CHL8-1	2	2	560	280	178	230/265	170	268	118	130	108	230	160	138	9	20
CHLm8-2	CHL8-2	2	2	560	280	178	230/265	170	268	118	130	108	230	160	138	9	20
CHLm8-3	CHL8-3	2	2	560	280	178	230/265	170	268	118	130	108	230	160	138	9	25
CHLm8-4	CHL8-4	2	2	580	280	178	240/270	180	268	118	130	108	230	160	138	9	25
CHLm8-5	CHL8-5	2	2	580	280	178	240/270	180	268	118	130	108	230	160	138	9	30
CHLm12-1	CHL12-1	2	2	560	280	178	230/265	170	268	118	130	108	230	160	138	9	20
CHLm12-2	CHL12-2	2	2	560	280	178	230/265	170	268	118	130	108	230	160	138	9	21
CHLm12-3	CHL12-3	2	2	580	280	178	240/270	180	268	118	130	108	230	160	138	9	25
CHLm12-4	CHL12-4	2	2	580	280	178	240/270	180	268	118	130	108	230	160	138	9	29
-	CHL12-5	2	2	610	270	178	270	195	276	126	130	108	230	160	138	9	34
CHLm16-1	CHL16-1	2	2	560	280	178	230/265	170	268	118	130	108	230	160	138	9	20
CHLm16-2	CHL16-2	2	2	580	280	178	240/270	180	268	118	130	108	230	160	138	9	27
-	CHL16-3	2	2	610	270	178	270	195	276	126	130	108	230	160	138	9	34
CHLm20-1	CHL20-1	2	2	560	280	178	230/265	170	268	118	130	108	230	160	138	9	21
CHLm20-2	CHL20-2	2	2	580	280	178	240/270	180	268	118	130	108	230	160	138	9	28
-	CHL20-3	2	2	650	360	178	270	220	270	120	230	190	230	170	140	12	42