ACB 331 - 332 - 431 - 432 - NEW 451 - 531 - 631 — 50Hz

EL/POMPE AUTOADESCANTI

SERIE "ACB 331 - 332 - 431 – 432 – 451 - 531 - 631"
Ad anello liquido

SELF-PRIMING EL/ PUMPS

"ACB 331 - 332 - 431 – 432 – 451 - 531 - 631" SERIES
Liquid ring



ACB 331 (C.A. - A.C.)



ACB 531 (C.A. - A.C.)

APPLICAZIONI:

Esaurimento sentina, antincendio, lavaggio catene, travaso gasolio, alimentazione impianti, movimentazione liquidi ad alto contenuto d'aria, ecc.

APPLICATIONS:

Bilge, fire-fighting, chain washing, intake diesel oil, plants water supply, mixtures with high air content liquids handling, etc

COSTRUZIONE:

Corpo pompa: . . . . . BRONZO
Girante: . . . . . BRONZO
Albero: . . . . . .ACCIAIO INOX AISI 316
Tenuta meccanica: . . . . DI ALTA QUALITÀ' IN CERAMICA,
. . . . . GRAFITE INOX

CONSTRUCTION FEATURES:

Body pump: . . . . . BRONZE
Impeller: . . . . . BRONZE
Shaft: . . . . . .STAINLESS STEEL AISI 316
Mechanical seal. . . . . .HIGH QUALITY ON CERAMIC,
. . . . . .GRAPHITE INOX

MOTORI:

Isolamento: . . . . . Classe "F"
Protezioni: . . . . . ."IP 55"
Tensioni: . . . . . 230V 1~ 50Hz
. . . . . Δ220÷240/Y380÷415V, Δ380÷415V 3~ 50Hz

MOTORS:

Insulation: . . . . . "F" class
Protections: . . . . . "IP 55"
Voltages: . . . . . 230V 1~ 50Hz
. . . . . .Δ220÷240V Y380÷415V, Δ380÷415V 3~ 50Hz

GENERALITÁ':

Le elettropompe pompe auto-adescanti ad anello liquido serie "ACB", con girante stellare, hanno una eccezionale capacità di auto-innesco (fino a 8m verticale).
Solo al primo avviamento o dopo un lungo periodo di inutilizzo, si rende necessario il riempimento del corpo pompa, in seguito, anche con il tubo di aspirazione vuoto, adescano automaticamente.
Si consiglia di installare sulla bocca di aspirazione un filtro ed una valvola a clapet per evitare il reflusso d'acqua.

GENERALITY:

The liquid ring self-priming electro-pump "ACB" series, with star impeller, have an outstanding self-priming capacity (up to 8m vertical).
Only at the first start or after a long term disuse, it is necessary to fill the pump's body with water, then, the pump automatically primes, also with the suction pipe empty.
We suggest to install a filter and a clapet valve on the suction pipe in order to avoid a water reflux.

GARANZIA:

Due anni (vedi condizioni generali di vendita)

WARRANTY:

Two years (see our general sale conditions)

PRESTAZIONI (50Hz): *PERFORMANCE (50Hz):*

EL/POMPA *EL/PUMP*	POTENZA INST. *INST. POWER*	MOTORI DISPONIBILI *AVAILABLE MOTORS*	GIRI/1' *RPM*	PORTATA l/min							*DELIVERY l/min*						
				40	50	60	70	80	90	100	110	120	130	140	150	180	210
				PORTATA m³/h							***DELIVERY m³/h***						
				2.4	**3.0**	**3.6**	**4.2**	**4.8**	**5.4**	**6.0**	**6.6**	**7.2**	**7.8**	**8.4**	**9.0**	**10.8**	**12.6**
				PREVALENZA TOTALE m H_2O							*TOTAL MANOMETRIC HEAD m H_2O*						
	kW			**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW
ACB 331/B	1.5	1~ 3~	1450	**36** 1,4	**33** 1,4	**30** 1,3	**27** 1,3	**23** 1,2	**19** 1,2	**16** 1,1	**12** 1,1	**9** 1,0	**6** 1,0	**3** 0,9			
ACB 332/B	2.2	1~ 3~	1450		**55** 2,1	**49** 2,0	**44** 1,9	**39** 1,8	**33** 1,7	**27** 1,6	**22** 1,6	**16** 1,5	**11** 1,5	**5** 1,5			
ACB 431/B	2.2	1~ 3~	1450							**35** 2,2	**32** 2,0	**29** 1,8	**27** 1,8	**24** 1,7	**22** 1,7	**14** 1,6	**6** 1,6
ACB 431/C	3.0	1~ 3~	1450		**46** 2,9	**44** 2,8	**42** 2,7	**40** 2,5	**37** 2,3	**35** 2,2	**32** 2,0	**29** 1,8	**27** 1,8	**24** 1,7	**22** 1,7	**14** 1,6	**6** 1,6
ACB 432	4	3~	1450					**70** 4	**68** 3.9	**63** 3.8	**58** 3.7	**54** 3.6	**49** 3.4	**44** 3.3	**40** 3.0	**25** 2.8	**10** 2.6

Note: I dati indicati sono relativi alle versioni trifase (3~). Legenda: (kW) Potenza assorbita
Considerare una riduzione del 10% nella prevalenza per le versioni monofase (1~) Prestazioni secondo EN ISO 9906
Notes: Reported data are relative to three-phases versions (3~). Legend: (kW) Absorbed power
Apply a 10% reduction to obtain the head performances for the single-phase versions (1~) Performance in accordance with EN ISO 9906

DIMENSIONI E PESI: *DIMENSIONS AND WEIGHTS:*

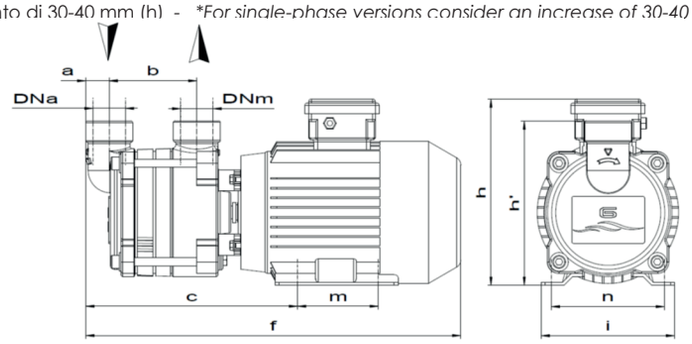
EL/POMPA - *EL/PUMP*	f	h	h'	i	a	b	m	n	c	DNa	DNm	Kg
ACB 331/ B	465	225*	200	175	30	110	125	140	250	1"1/4	1"1/4	30
ACB 332/ B	530	240*	213	193	30	145	140	160	300	1"1/4	1"1/4	38
ACB 431/ B - C	525	260*	230	200	32	125	140	160	280	1"1/2	1"1/2	45 - 47
ACB 432	610	260	230	230	32	180	140	190	310	1"1/2	1"1/2	55

EL/POMPA - EL/PUMP	f	h'	i	a	b	m	n	c	l	g	DNa	DNm	Kg
ACB 331F/ B	475	270	175	40	110	125	140	260	75	11	1"1/4	1"1/4	32
ACB 332F/ B	540	280	190	40	145	140	160	310	75	11	1"1/4	1"1/4	40
ACB 431F/ B - C	535	300	200	42	125	140	160	290	90	11	1"1/2	1"1/2	47 - 49
ACB 432F	625	300	200	42	180	140	160	320	90	11	1"1/2	1"1/2	57

Nota: Le dimensioni sono indicative. Misure in mm - *Notes: Dimensions are approximated. Dimensions in mm*
*Nelle versioni monofase considerare un incremento di 30-40 mm (h) - *For single-phase versions consider an increase of 30-40 mm (h)*

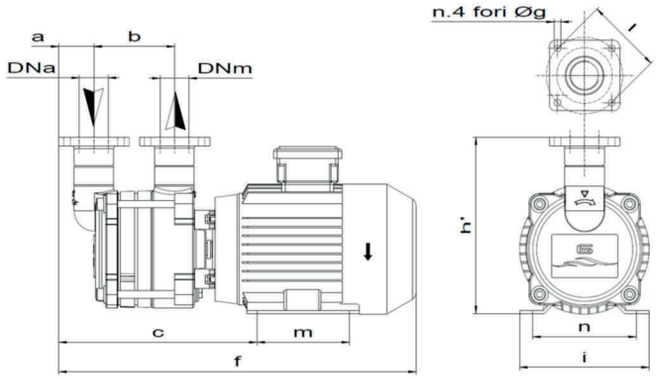
EL/POMPE CON BOCCHE FILETTATE

EL/PUMPS WITH THREATED CONNECTIONS



EL/POMPE CON BOCCHE FLANGIATE

EL/PUMPS WITH FLANGED CONNECTIONS



PRESTAZIONI (50Hz): *PERFORMANCE (50Hz):*

EL/POMPA *EL/PUMP*	POTENZA INST. *INST. POWER*	MOTORI DISPONIBILI *AVAILABLE MOTORS*	GIRI/1' *RPM*	PORTATA l/min						*DELIVERY l/min*				
				100	140	180	200	250	275	300	350	400	450	500
				PORTATA m³/h						***DELIVERY m³/h***				
				6	**8.4**	**10.8**	**12**	**15**	**16.5**	**18**	**21**	**24**	**27**	**30**
	kW			PREVALENZA TOTALE m H_2O						*TOTAL MANOMETRIC HEAD m H_2O*				
				H kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW
ACB 451	2.2/3	1~ 3~	1450	**31** -	**27** -	**21** -	**17** -	**8** -	**3** -	**NUOVO MODELLO: DATI PREVISIONALI NEW MODEL: PREVISIONAL PERFORMANCE**				
ACB 531/A	4	1~ 3~	1450			**33** 3.9	**32** 3.8	**29*** 3.7	**27** 3.6	**25** 3.5	**20** 3.2	**14** 2.9	**8** 2.6	**3** 2.2
ACB 531/B	5.5	3~	1450	**35** 4.2	**34** 4.0	**33** 3.9	**32** 3.8	**29** 3.7	**27** 3.6	**25** 3.5	**20** 3.2	**14** 2.9	**8** 2.6	**3** 2.2

EL/POMPA EL/PUMP	POTENZA INST. INST. POWER	MOTORI DISPONIBILI AVAILABLE MOTORS	GIRI/1' RPM	PORTATA l/min				DELIVERY l/min					
				300	350	400	450	500	550	600	650	700	750
				PORTATA m3/h				**DELIVERY m3/h**					
				18	**21**	**24**	**27**	**30**	**33**	**36**	**39**	**42**	**45**
	kW			PREVALENZA TOTALE m H2O				TOTAL MANOMETRIC HEAD m H2O					
				H kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW
ACB 631/A	7,5	3~	1450					**30** 7	**25** 6.3	**20** 5.7	**15** 5.1	**8** 4.5	**3** 4
ACB 631/B	9,2	3~	1450	**49** 9.0	**45** 8.5	**42** 8	**36** 7.5	**30** 7	**25** 6.3	**20** 5.7	**15** 5.1	**8** 4.5	**3** 4

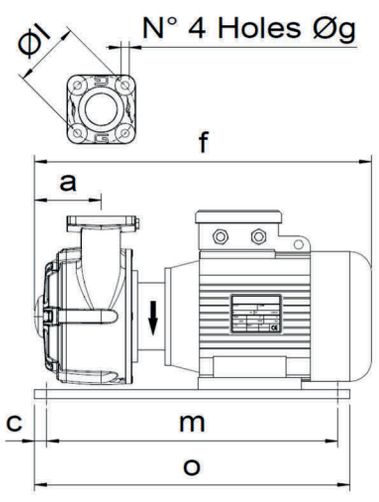
Note: I dati indicati sono relativi alle versioni trifase (3~). Prestazioni secondo EN ISO 9906. Legenda: (kW) Potenza assorbita
*Prevalenza massima con motore 1~
Notes: Reported data are relative to three-phases versions (3~). Performance in accordance with EN ISO 9906. Legend: (kW) Absorbed power
**Max manometric head with 1~ motor*

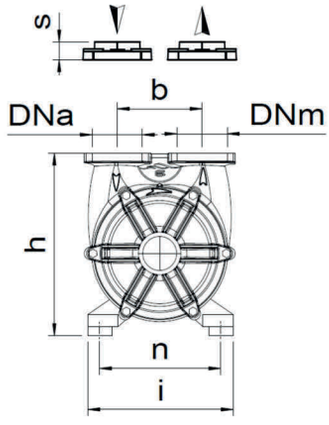
DIMENSIONI E PESI: *DIMENSION AND WEIGHT:*

EL/POMPA - *EL/PUMP*	f	h	a	b	c	e	m	o	n	i	s	l	g	DNa	DNm	Kg
ACB 451(**)	455	240	95	130	-	-	-	-	-	-	-	-	-	1" ½	1" ½	45
ACB 531/A	570	295	110	140	20	-	480	520	195	235	30	110	13	2"	2"	63
ACB 531/B	640	300	110	140	35	190	140	240	215	255	30	110	13	2"	2"	75
ACB 631/A	600	350	130	160	-	-	178	220	216	260	35	130	13	2" ½	2" ½	95
ACB 631/B	620	350	130	160	-	-	178	220	216	260	35	130	13	2" ½	2" ½	110

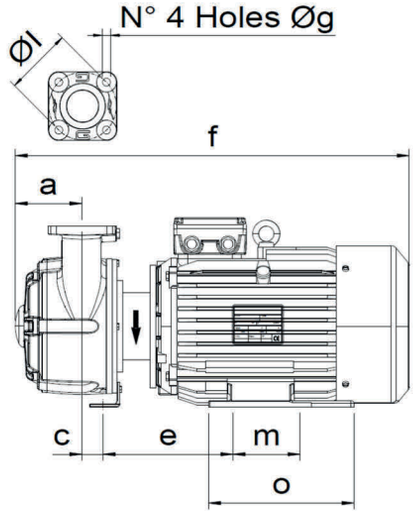
Nota: Le dimensioni sono indicative. Misure in mm - *Notes: Dimensions are approximated. Dimensions in mm*
** Nuovo modello - *New model*

EL/POMPE CON BOCCHE FLANGIATE - *EL/PUMPS WITH FLANGED CONNECTIONS*





ACB 451 - ACB 531/A



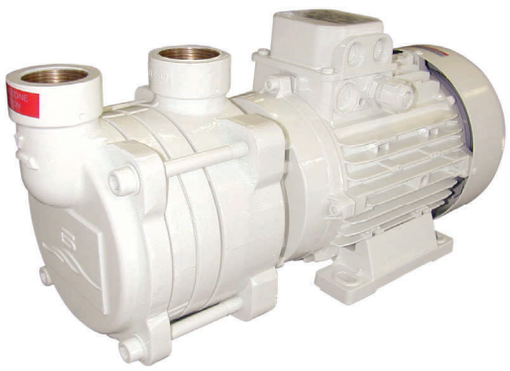
ACB 531/B - ACB 631/A - ACB631/B

ACB 331 - 431 - 531 - 631

60Hz

EL/POMPE AUTOADESCANTI

SERIE "ACB 331 - 332 - 431 - 531 - 631"
Ad anello liquido



ACB 331 (C.A. - A.C.)

SELF-PRIMING EL/ PUMPS

"ACB 331 - 332 - 431 - 531 - 631" SERIES
Liquid ring



ACB 531 (C.A. - A.C.)

APPLICAZIONI:

Esaurimento sentina, antincendio, lavaggio catene, travaso gasolio, alimentazione impianti, movimentazione liquidi ad alto contenuto d'aria, ecc.

APPLICATIONS:

Bilge, fire-fighting, chain washing, intake diesel oil, plants water supply, mixtures with high air content liquids handling, etc.

COSTRUZIONE:

Corpo pompa: . . . . . BRONZO
Girante: . . . . . BRONZO
Albero: . . . . . .ACCIAIO INOX AISI 316
Tenuta meccanica: . . . . DI ALTA QUALITÀ' IN CERAMICA
. . . . . GRAFITE INOX

CONSTRUCTION FEATURES:

Body pump: . . . . . BRONZE
Impeller: . . . . . BRONZE
Shaft: . . . . . .STAINLESS STEEL AISI 316
Mechanical seal. . . . . .HIGH QUALITY ON CERAMIC
. . . . . GRAPHITE INOX

MOTORI:

Isolamento: . . . . . .Classe "F"
Protezioni: . . . . . ."IP 55"
Tensioni: . . . . . 230V 1~ 60Hz
. . . . . Δ208/Y360V 3~ 60Hz
. . . . . Δ240÷260/Y415÷460V, Δ415÷460V 3~ 60Hz

MOTORS:

Insulation: . . . . . "F" class
Protections: . . . . . "IP 55"
Voltages: . . . . . *230V 1~ 60Hz*
. . . . . Δ208/Y360V 3~ 60Hz
. . . . . Δ240÷260/Y415÷460V, Δ415÷460V 3~ 60Hz

GENERALITÁ':

Le elettropompe pompe auto-adescanti ad anello liquido serie "ACB", con girante stellare, hanno una eccezionale capacità di auto-innesco (fino a 8m verticale).
Solo al primo avviamento o dopo un lungo periodo di inutilizzo, si rende necessario il riempimento del corpo pompa, in seguito, anche con il tubo di aspirazione vuoto, adescano automaticamente.
Si consiglia di installare sulla bocca di aspirazione un filtro ed una valvola a clapet per evitare il reflusso d'acqua.

GENERALITY:

The liquid ring self-priming electro-pump "ACB" series, with star impeller, have an outstanding self-priming capacity (up to 8m vertical).
Only at the first start or after a long term disuse, it is necessary to fill the pump's body with water, then, the pump automatically primes, also with the suction pipe empty.
We suggest to install a filter and a clapet valve on the suction pipe in order to avoid a water reflux.

GARANZIA:

Due anni (vedi condizioni generali di vendita)

WARRANTY:

Two years (see our general sale conditions)

PRESTAZIONI (60Hz): *PERFORMANCE (60Hz):*

EL/POMPA *EL/PUMP*	POTENZA INST. *INST. POWER*	MOTORI DISPONIBILI *AVAILABLE MOTORS*	GIRI/1' *RPM*	PORTATA l/min *DELIVERY l/min*													
				50	60	70	80	90	100	110	120	130	140	150	180	210	240	270
				PORTATA m³/h *DELIVERY m³/h*													
				3.0	**3.6**	**4.2**	**4.8**	**5.4**	**6.0**	**6.6**	**7.2**	**7.8**	**8.4**	**9.0**	**10.8**	**12.6**	**14.4**	**16.2**
				PREVALENZA TOTALE m H_2O *TOTAL MANOMETRIC HEAD m H_2O*													
	kW			**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW
ACB 331/A	1.8	1~ 3~	1750	**46** 1,7	**43** 1,6	**40** 1,6	**36** 1,5	**32** 1,5	**28** 1,4	**24** 1,4	**21** 1,3	**17** 1,3	**13** 1,2	**9** 1,2				
ACB 431/A	3.0	1~ 3~	1750									**43** 2,9	**40** 2,8	**37** 2,7	**29** 2,4	**20** 2,0	**11** 1,8	**3** 1,5

Note: I dati indicati sono relativi alle versioni trifase (3~). Legenda: (kW) Potenza assorbita
Considerare una riduzione del 10% nella prevalenza per le versioni monofase (1~) Prestazioni secondo EN ISO 9906
Notes: Reported data are relative to three-phases versions (3~). Legend: (kW) Absorbed power
Apply a 10% reduction to obtain the head performances for the single-phase versions (1~) Performance in accordance with EN ISO 9906

DIMENSIONI E PESI: *DIMENSIONS AND WEIGHTS:*

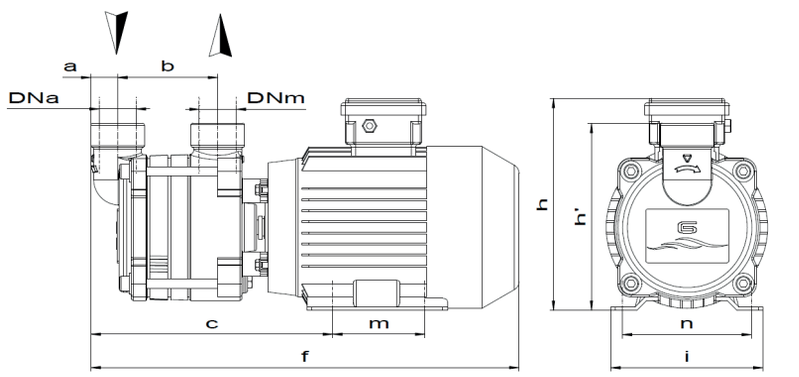
EL/POMPA - *EL/PUMP*	f	h	h'	i	a	b	m	n	c	DNa	DNm	Kg
ACB 331/A	465	225*	200	175	30	110	125	140	250	1"1/4	1"1/4	32
ACB 431/A	525	260*	230	200	32	125	140	160	280	1"1/2	1"1/2	47

EL/POMPA - *EL/PUMP*	f	h	i	a	b	m	n	c	l	g	DNa	DNm	Kg
ACB 331F/A	475	270	175	40	110	125	140	260	75	11	1"1/4	1"1/4	34
ACB 431F/A	535	300	200	42	125	140	160	290	90	11	1"1/2	1"1/2	49

Nota: Le dimensioni sono indicative. Misure in mm - *Notes: Dimensions are approximated. Dimensions in mm*
*Nelle versioni monofase considerare un incremento di 30-40 mm (h) - *For single-phase versions consider an increase of 30-40 mm (h)*

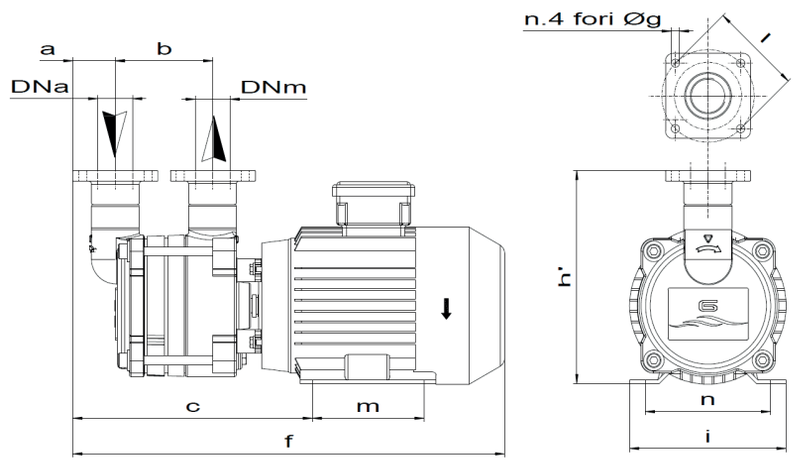
EL/POMPE CON BOCCHE FILETTATE

EL/PUMPS WITH THREATED CONNECTIONS



EL/POMPE CON BOCCHE FLANGIATE

EL/PUMPS WITH FLANGED CONNECTIONS



PRESTAZIONI (60Hz): *PERFORMANCE (60Hz):*

EL/POMPA *EL/PUMP*	POTENZA INST. *INST. POWER*	MOTORI DISPONIBILI *AVAILABLE MOTORS*	GIRI/1' *RPM*	PORTATA l/min *DELIVERY l/min*								
				200	250	300	350	400	450	500	550	570
				PORTATA m³/h *DELIVERY m³/h*								
				12	**15**	**18**	**21**	**24**	**27**	**30**	**33**	**34.2**
	kW			PREVALENZA TOTALE m H_2O *TOTAL MANOMETRIC HEAD m H_2O*								
				H kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW
ACB 531/C	7.5	3~	1750	**46** 7.4	**45** 7.2	**43** 6.8	**39** 6.4	**32** 5.7	**25** 5.5	**18** 5.2	**9** 5.0	**2** 4.7

EL/POMPA *EL/PUMP*	POTENZA INST. *INST. POWER*	MOTORI DISPONIBILI *AVAILABLE MOTORS*	GIRI/1' *RPM*	PORTATA l/min *DELIVERY l/min*								
				450	500	550	600	650	700	750	800	850
				PORTATA m³/h *DELIVERY m³/h*								
				27	**30**	**33**	**36**	**39**	**42**	**45**	**48**	**51**
	kW			PREVALENZA TOTALE m H_2O *TOTAL MANOMETRIC HEAD m H_2O*								
				H kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW	**H** kW
ACB 631/C	11	3~	1750					**38** 11	**31** 10	**23** 9	**12** 8	**5** 7
ACB 631/D	15	3~	1750	**57** 14.2	**52** 13.6	**49** 13	**43** 12	**38** 11	**31** 10	**23** 9	**12** 8	**5** 7

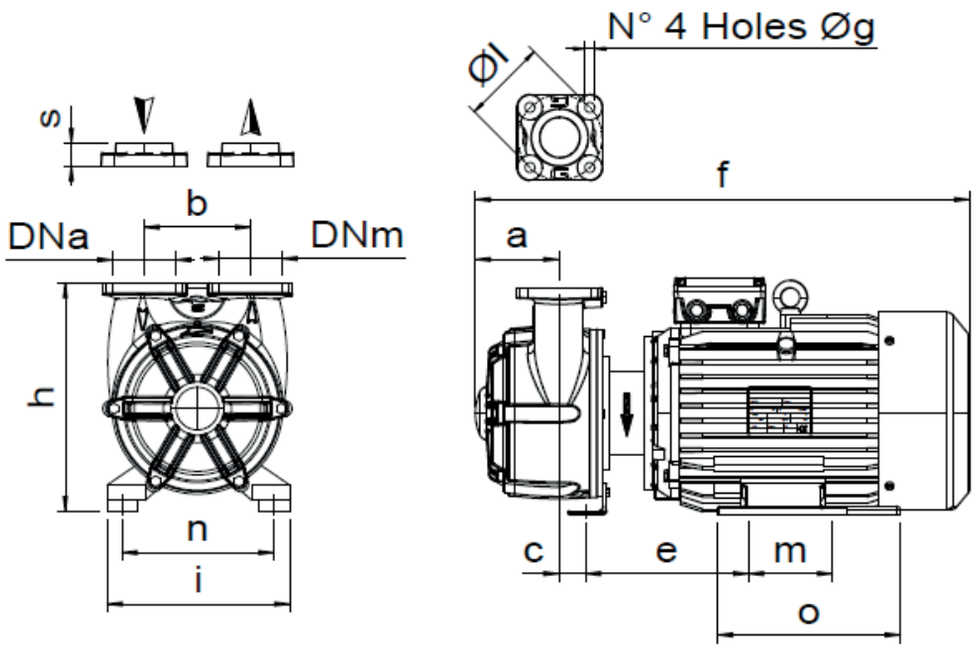
Prestazioni secondo EN ISO 9906. Legenda: (kW) Potenza assorbita - *Performance in accordance with EN ISO 9906. Legend: (kW) Absorbed power.*

DIMENSIONI E PESI: *DIMENSION AND WEIGHT:*

EL/POMPA - *EL/PUMP*	f	h	a	b	c	e	m	o	n	i	s	l	g	DNa	DNm	Kg
ACB 531/C	660	300	110	140	35	190	140	240	215	255	30	110	13	2"	2"	85
ACB 631/C	700	380	130	160	-	-	210	295	254	350	35	130	13	2" ½	2" ½	120
ACB 631/D	750	380	130	160	-	-	210	295	254	320	35	130	13	2" ½	2" ½	140

Nota: Le dimensioni sono indicative. Misure in mm - *Notes: Dimensions are approximated. Dimensions in mm*

EL/POMPE CON BOCCHE FLANGIATE - *EL/PUMPS WITH FLANGED CONNECTIONS*



ACB 531/C - ACB 631/C- D