



Serie HPAM
HPAM Series



Serie HPAM

HPAM Series

APPLICAZIONE

APPLICATION



Gli scambiatori della serie HPAM sono stati progettati per ambienti marini classificati come C5 in accordo alle normative UNI EN ISO 12944:2018 o con alta umidità e salinità con presenza di atmosfere corrosive.

The HPAM series heat exchangers have been designed for marine environments classified as C5 in accordance with the UNI EN ISO 12944:2018 standards or in environments with high humidity and salinity.

Denominazione codice prodotto

Ordering code

A250500**400B****2****1**

MODELLO MODEL

A250500	(HPAM06)
A250600	(HPAM12)
A250700	(HPAM18)
A250800	(HPAM24)
A250900	(HPAM30)
A251000	(HPAM36)
A250000	(HPAM42)
A251100	(HPAM50)
A251200	(HPAM52)
A251300	(HPAM72)
A251400	(HPAM135)
A251500	(HPAM180)
A251600	(HPAM255)

TIPO DI MOTORIZZAZIONE FAN MOTOR TYPE

400B	(Electric Motor AC 230-400V 50Hz / 265-460V 60Hz - 280-480V 60Hz - 400-690V 50Hz / 460-795V 60Hz)
2000	(Prepared for Gr.2 hydraulic motor)
3000	(Prepared for Gr.3 hydraulic motor)

TERMOSTATI THERMOSTATS

0	Senza termostato without thermostat
1	Termostato fisso Fixed thermostat 40-28°
2	Termostato fisso Fixed thermostat 50-38°
3	Termostato fisso Fixed thermostat 60-48°
4	Termostato fisso Fixed thermostat 70-58°
5	Termostato fisso Fixed thermostat 80-68°
6	Termostato fisso Fixed thermostat 90-78°

TIPO DI VENTILAZIONE VENTILATING TYPE

1	Aspirante Suction air flow
2	Soffiante Blowing air flow



Serie HPAM - HPAM Series

Modello Model	Codice Code
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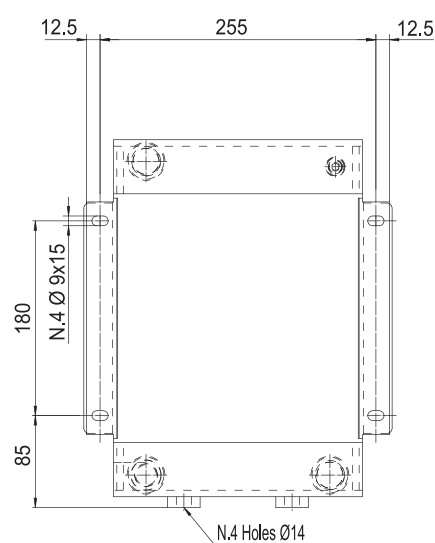
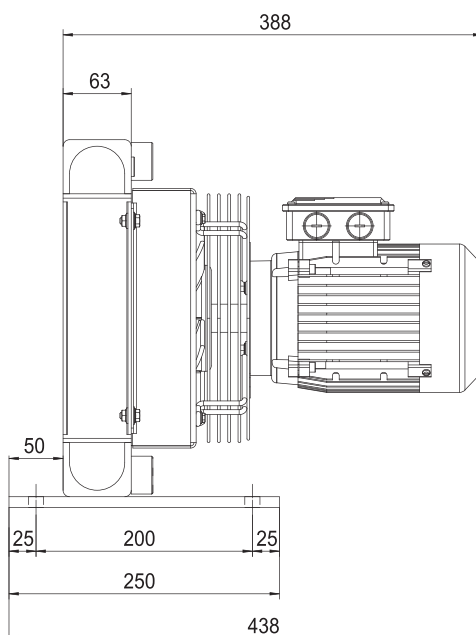
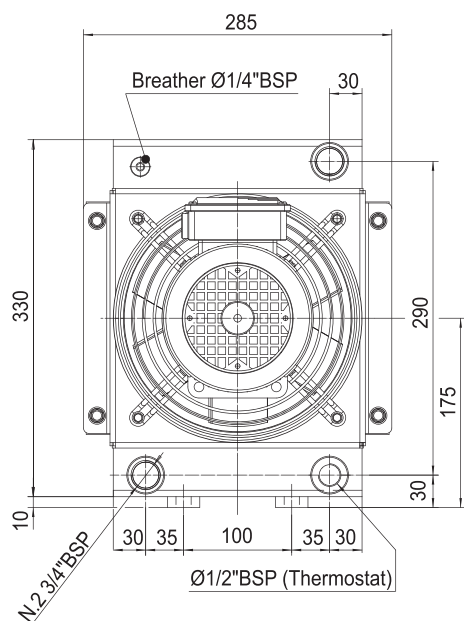
HPAM 06	A250500
HPAM 12	A250600
HPAM 18	A250700
HPAM 24	A250800
HPAM 30	A250900
HPAM 36	A251000
HPAM 42	A250000
HPAM 50	A251100
HPAM 52	A251200
HPAM 72	A251300
HPAM 135	A251400
HPAM 180	A251500
HPAM 255	A251600



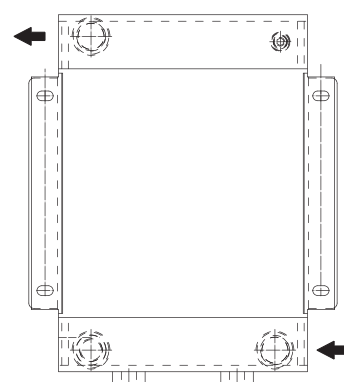
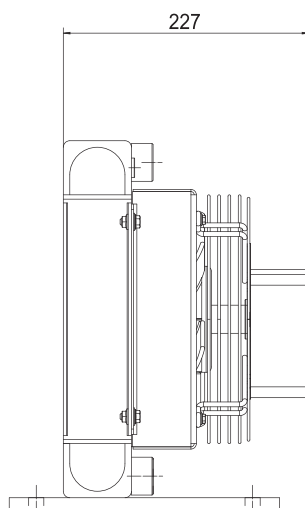
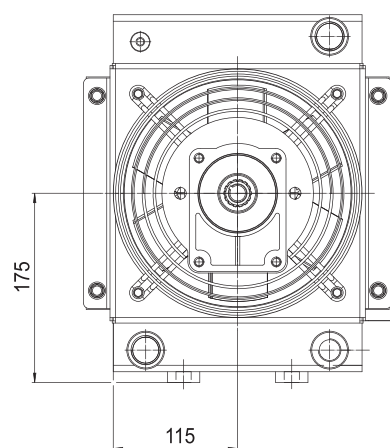


HPAM series

HPAM 06



P/N A250500400B##



P/N A2505002000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

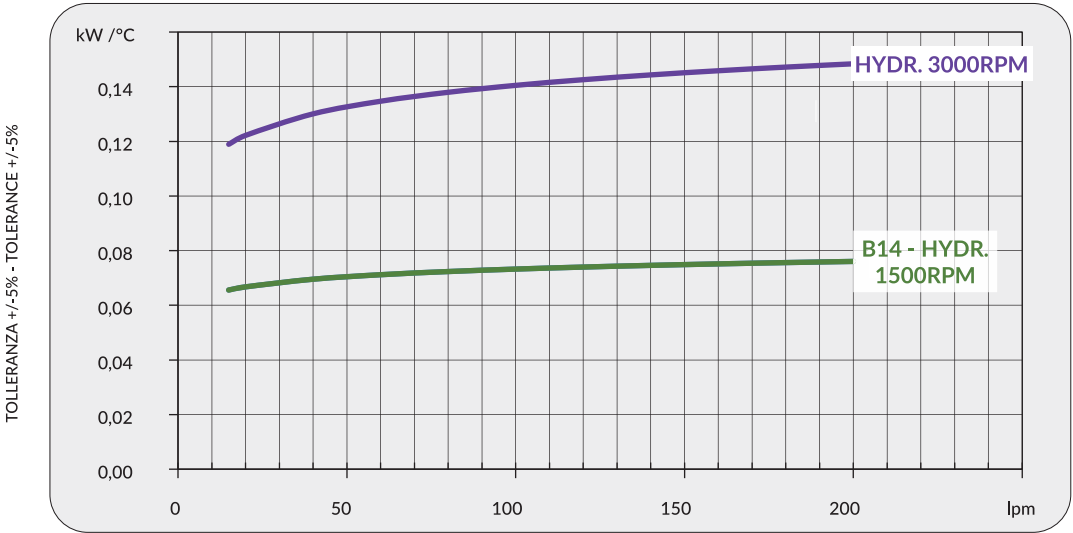


Dati tecnici Technical Data

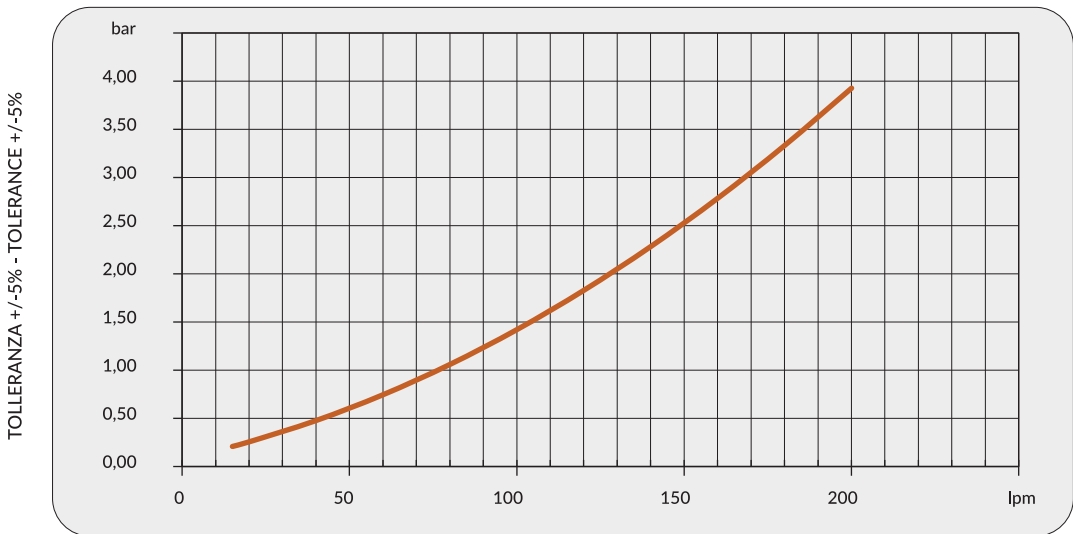
Modello Model	P/N	V	Hz	kW (±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM06	A250500400B##	230/400 AC B14 265/460 AC B14	50 60	0,25 0,29	1,7 - 1 1,7 - 1	1350 1620	62 66	56	1,2	13
HPAM06	A2505002000##	Prepared for Gr.2 hydraulic motor						-	1,2	9

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30cSt)



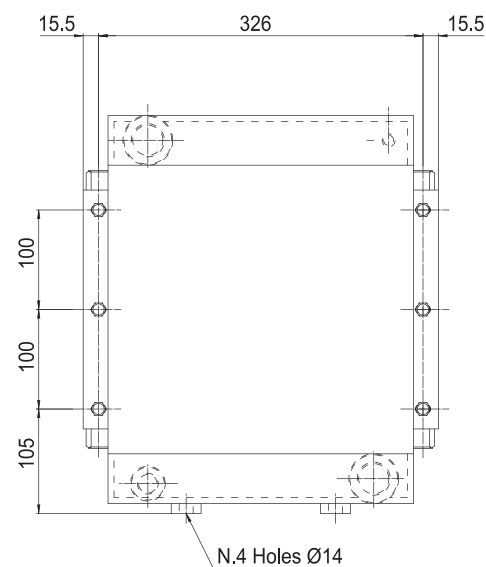
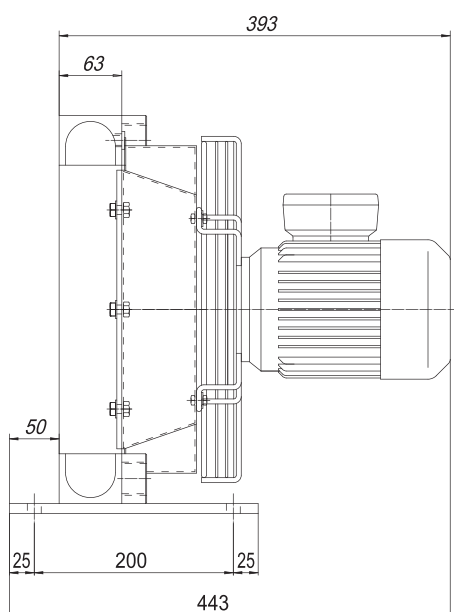
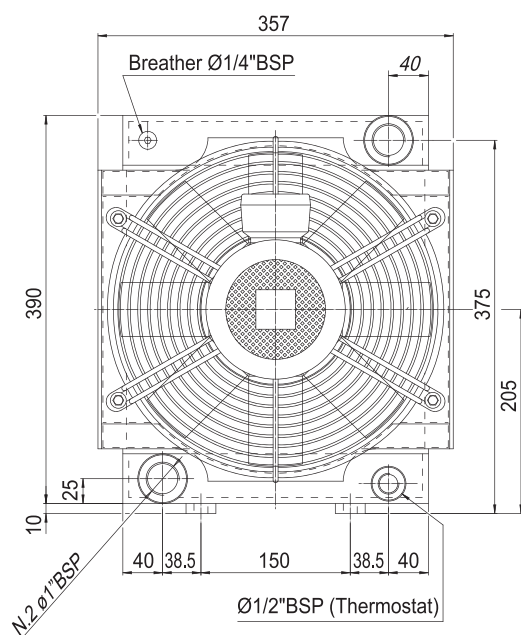
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

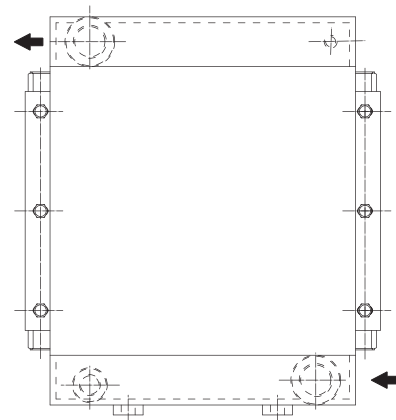
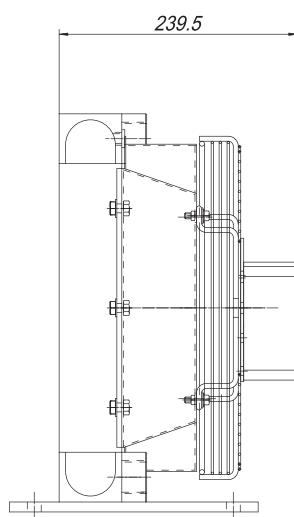
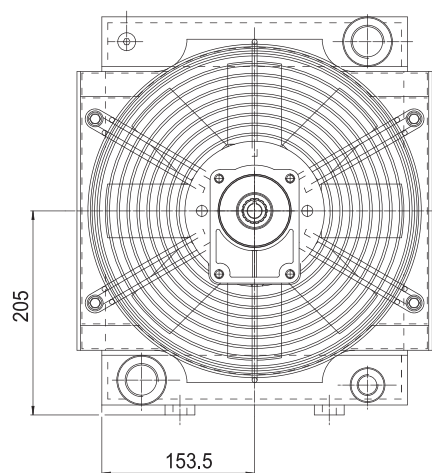


HPAM series

HPAM 12



P/N A250600400B##



P/N A2506002000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

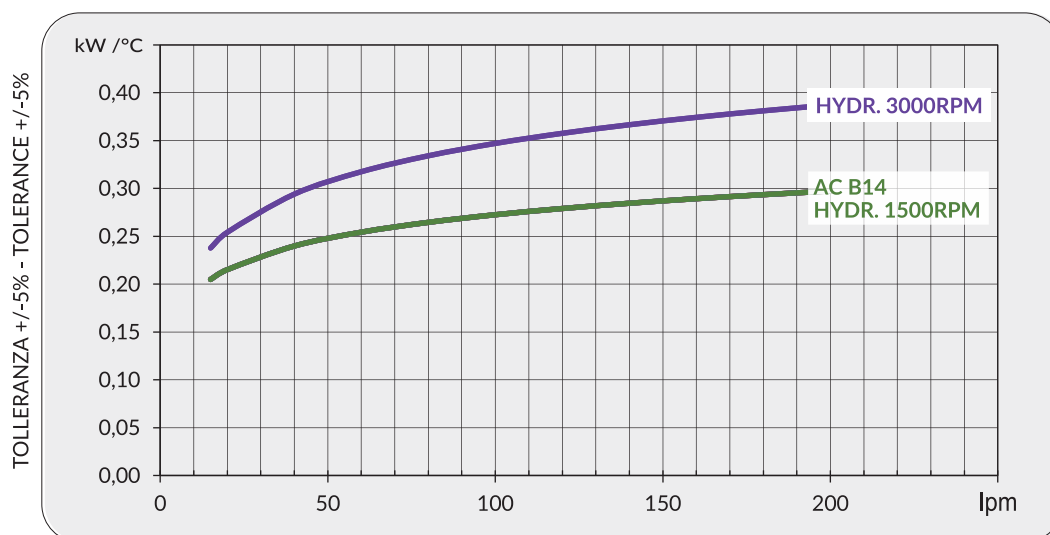


Dati tecnici Technical Data

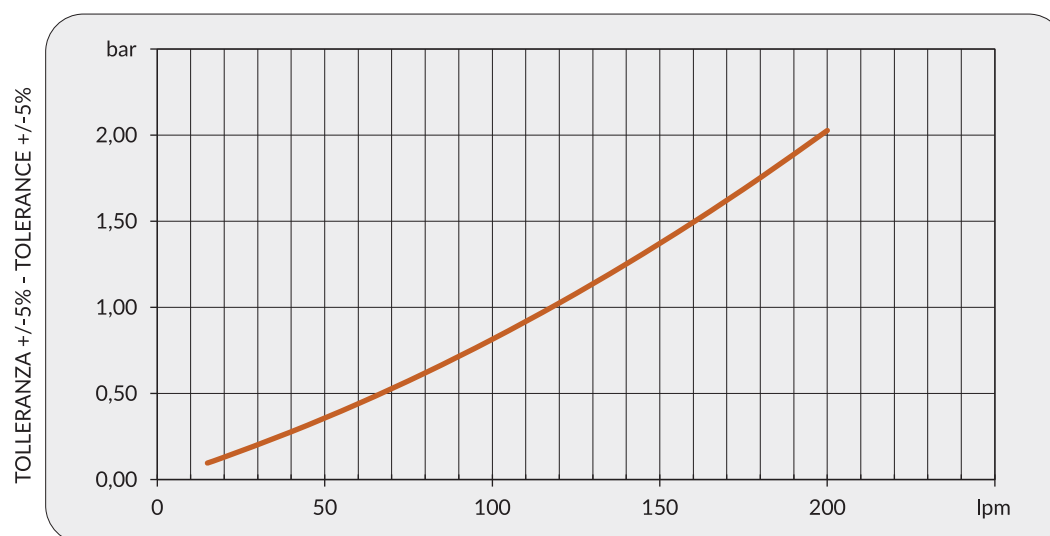
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM12	A250600400B##	230/400 AC B14 265/460 AC B14	50 60	0,25 0,29	1,7 - 1 1,7 - 1	1350 1620	74 78	56	1,9	17
HPAM12	A2506002000##	Prepared for Gr.2 hydraulic motor						-	1,9	12

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30cSt)



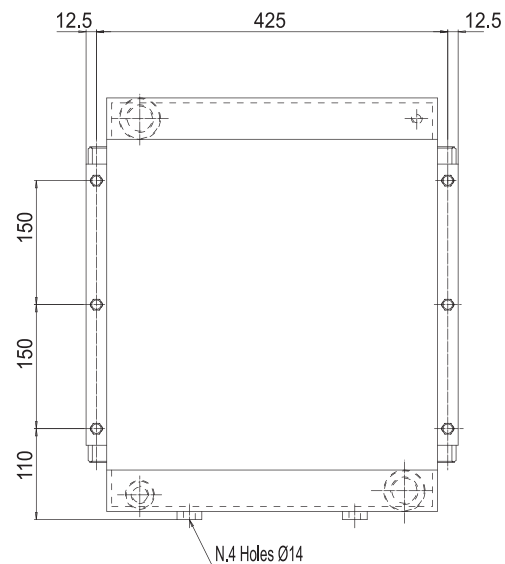
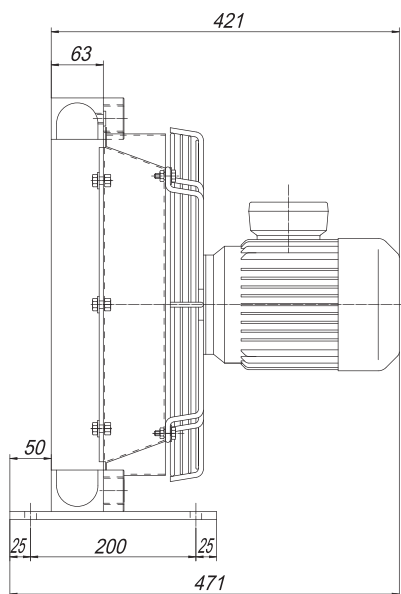
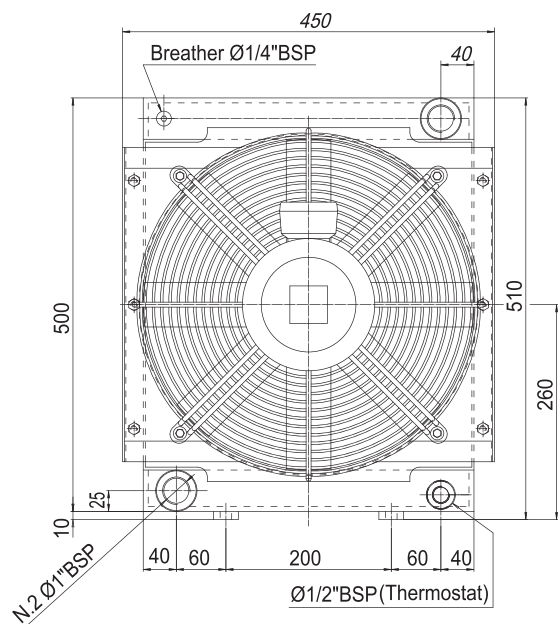
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

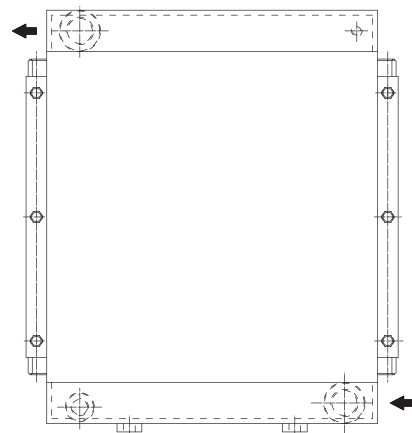
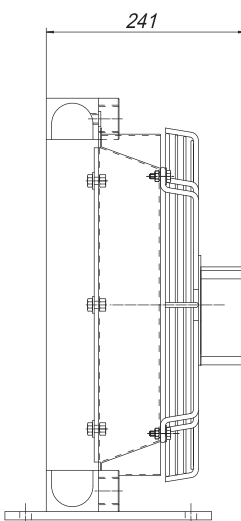
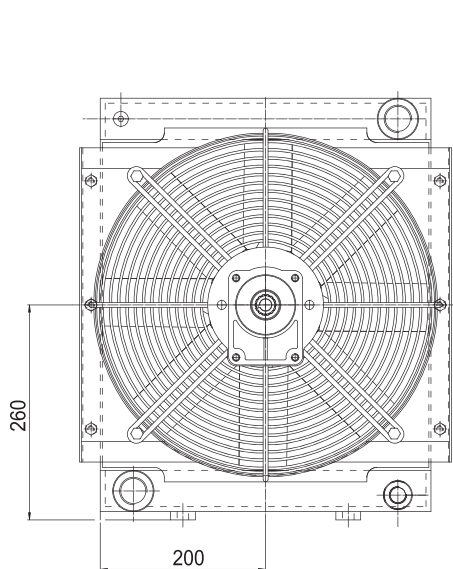


HPAM series

HPAM 18



P/N A250700400B##



P/N A2507002000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

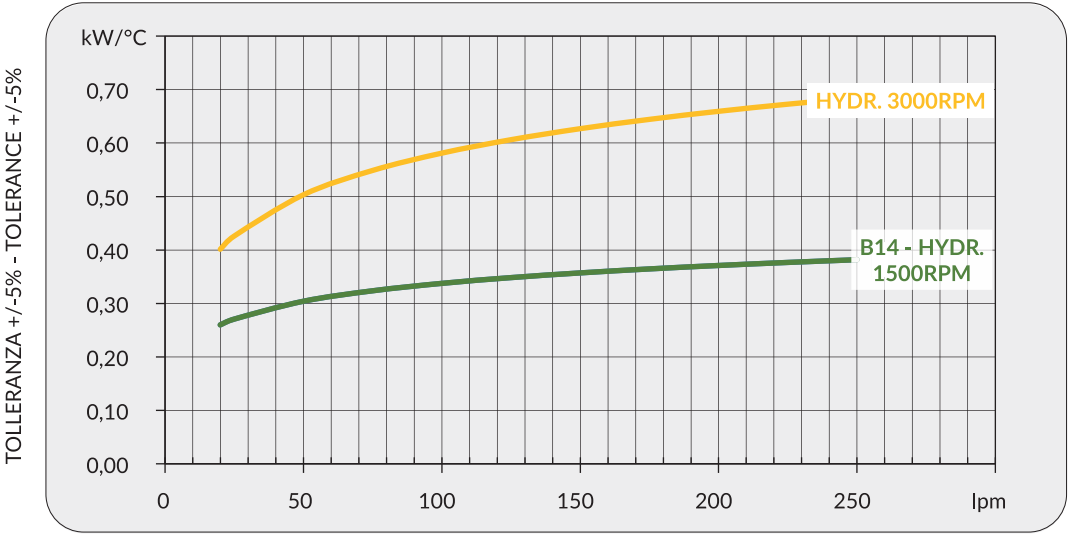


Dati tecnici Technical Data

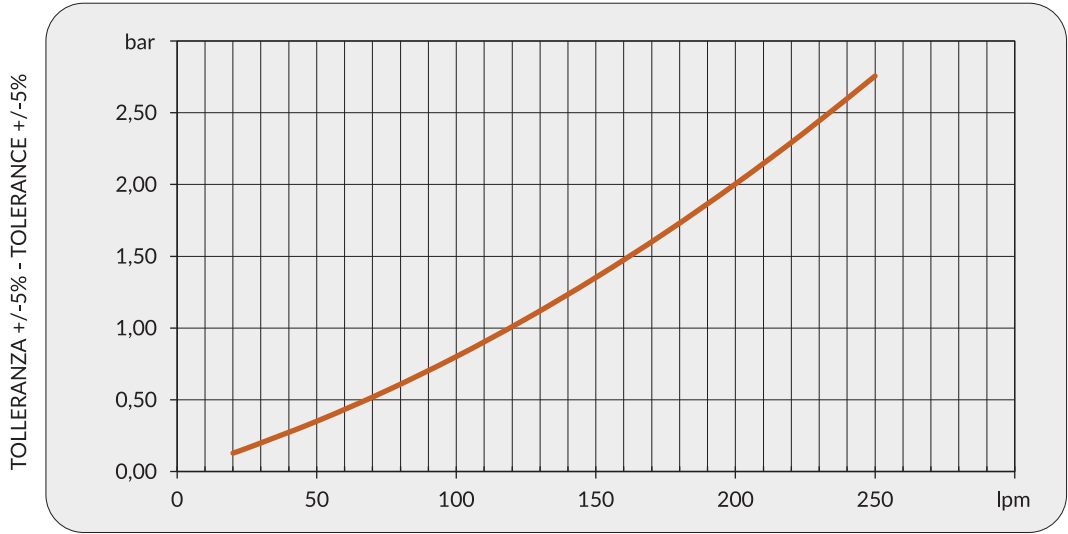
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM18	A250700400B##	230/400 AC B14	50	0,37	2,1 - 1,1	1370	74	56	2,9	20
		265/460 AC B14	60	0,43	2,1 - 1,1	1650	78			
HPAM18	A2507002000##	Prepared for Gr.2 hydraulic motor						-	2,9	15

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30cSt)



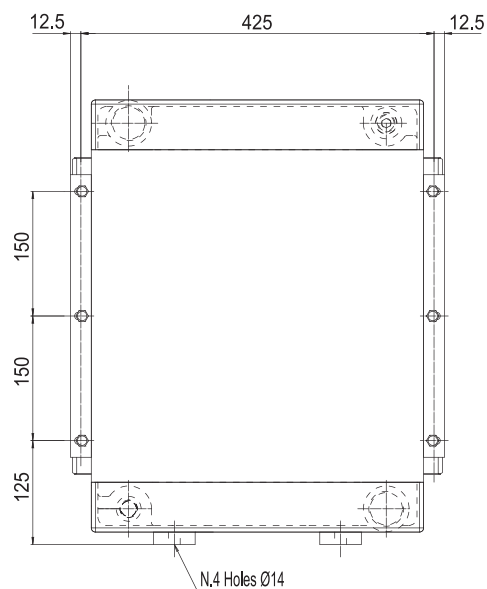
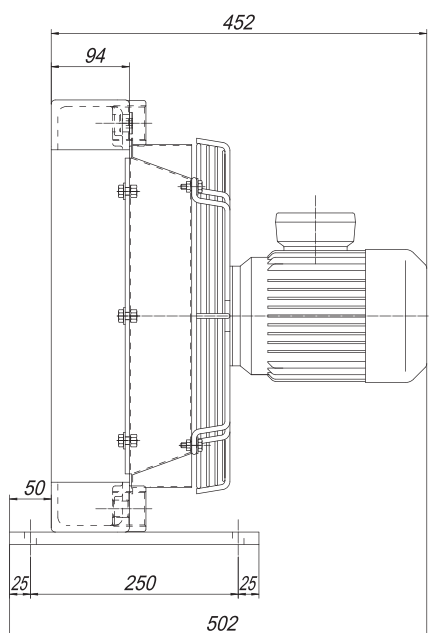
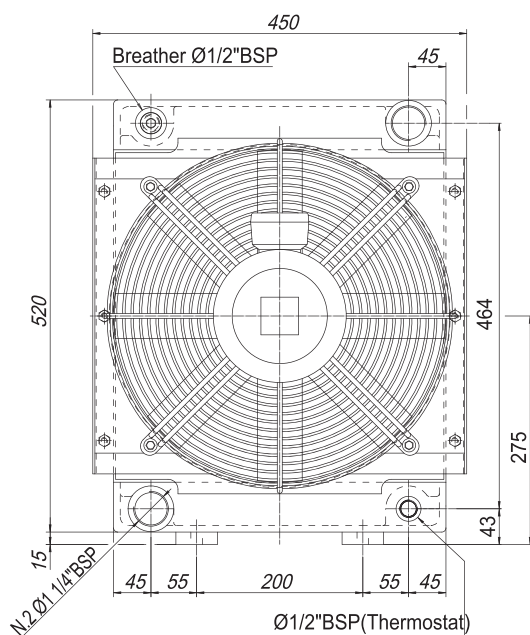
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

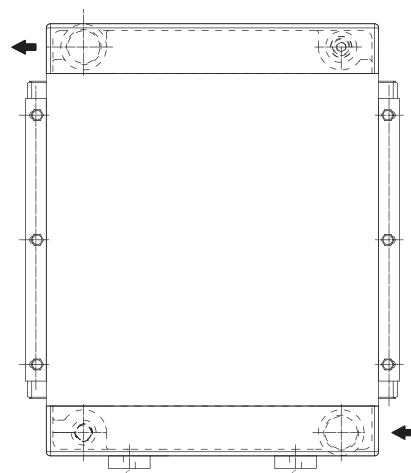
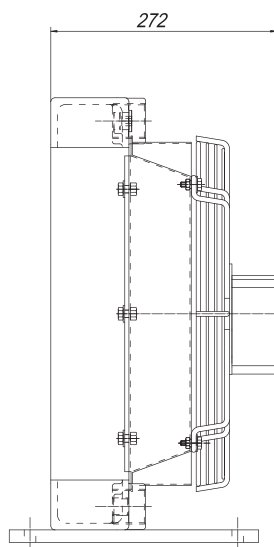
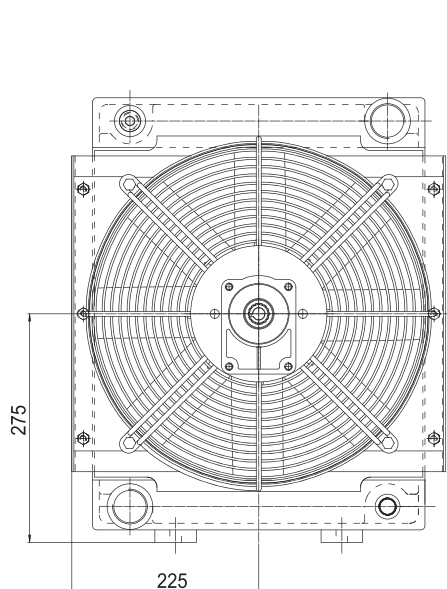


HPAM series

HPAM 24



P/N A250800400B##



P/N A2808002000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

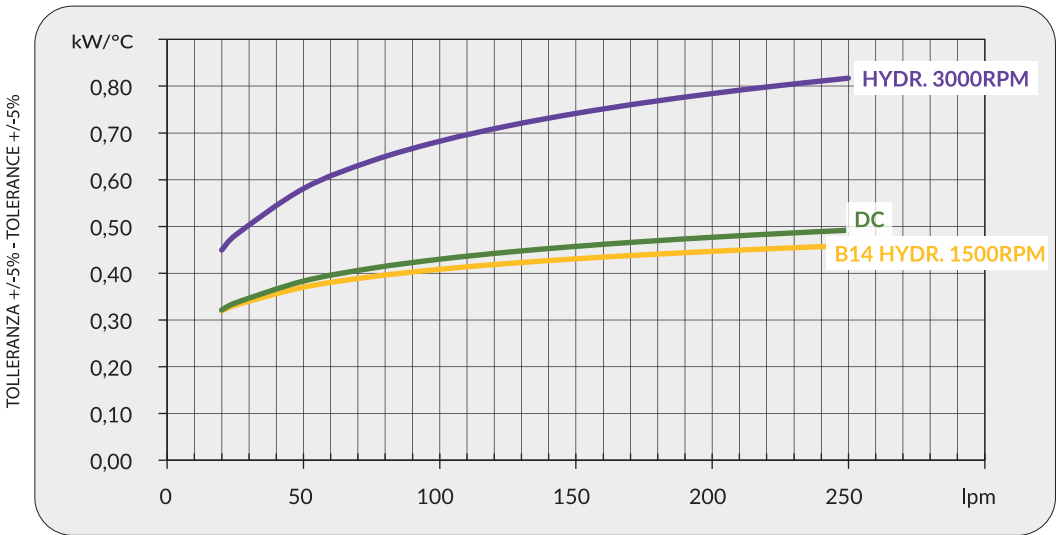


Dati tecnici Technical Data

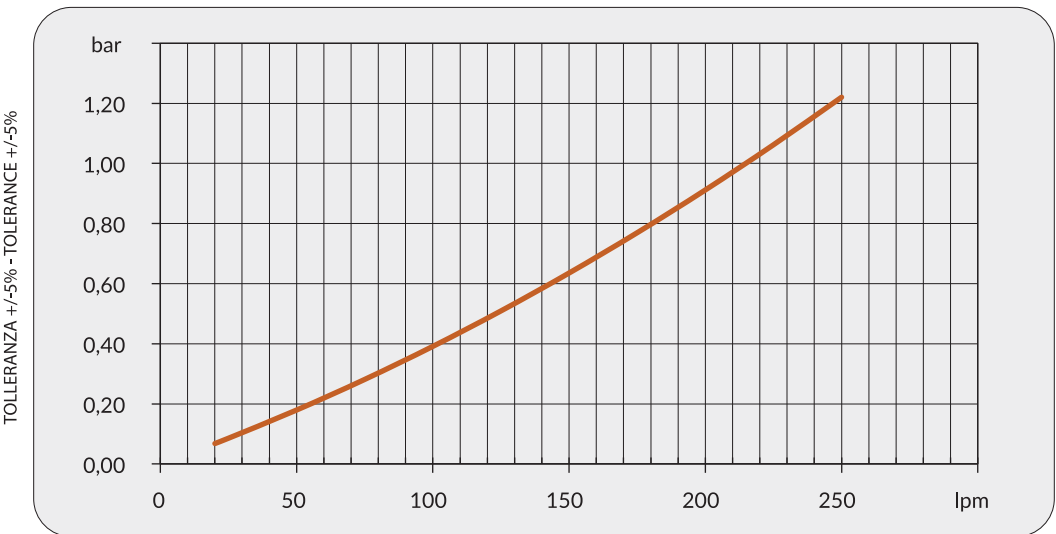
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM24	A250800400B##	230/400 AC B14	50	0,55	2,9 - 1,7	1320	76	56	6,2	28
		265/460 AC B14	60	0,63	2,9 - 1,7	1690	80			
HPAM24	A2808002000##	Prepared for Gr.2 hydraulic motor						-	6,2	20

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30cSt)



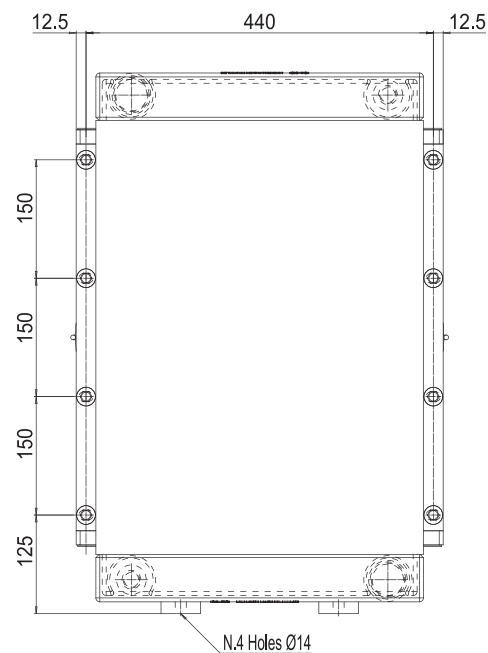
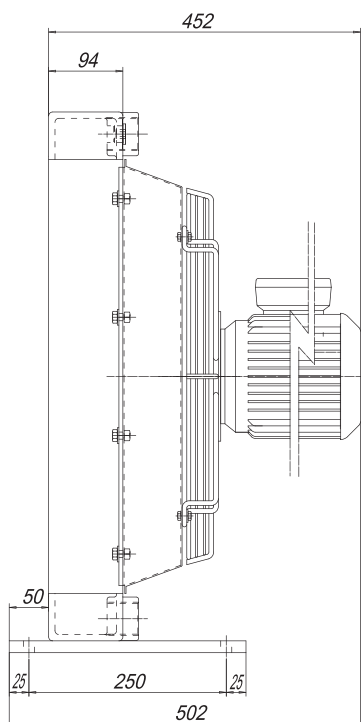
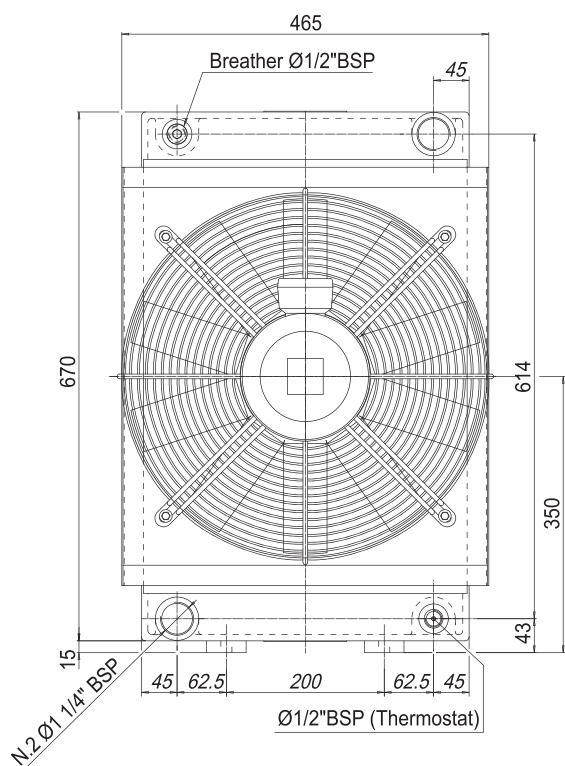
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

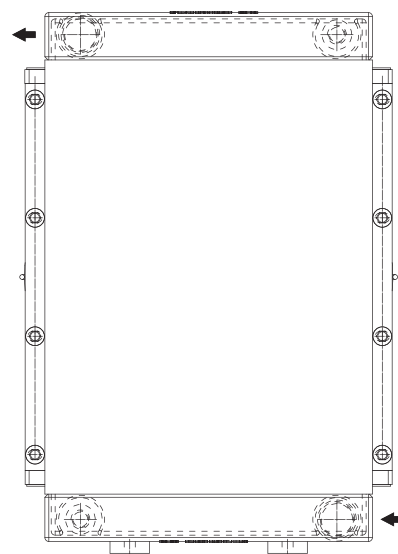
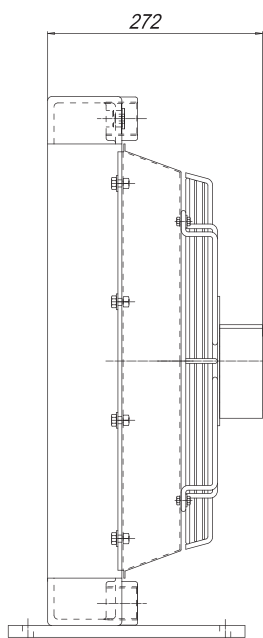
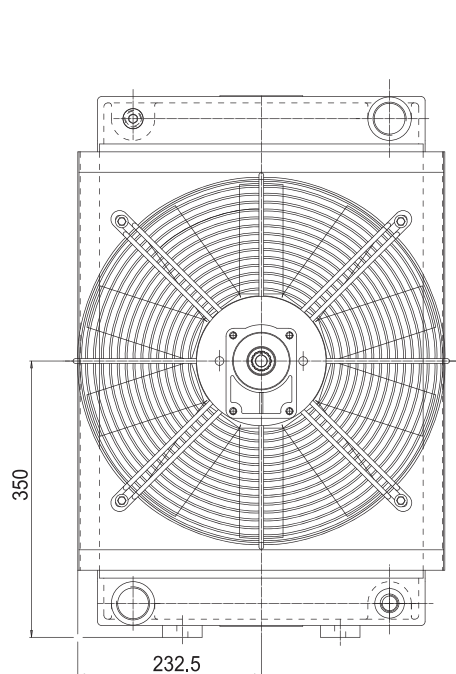


HPAM series

HPAM 30



P/N A250900400B##



P/N A2509002000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

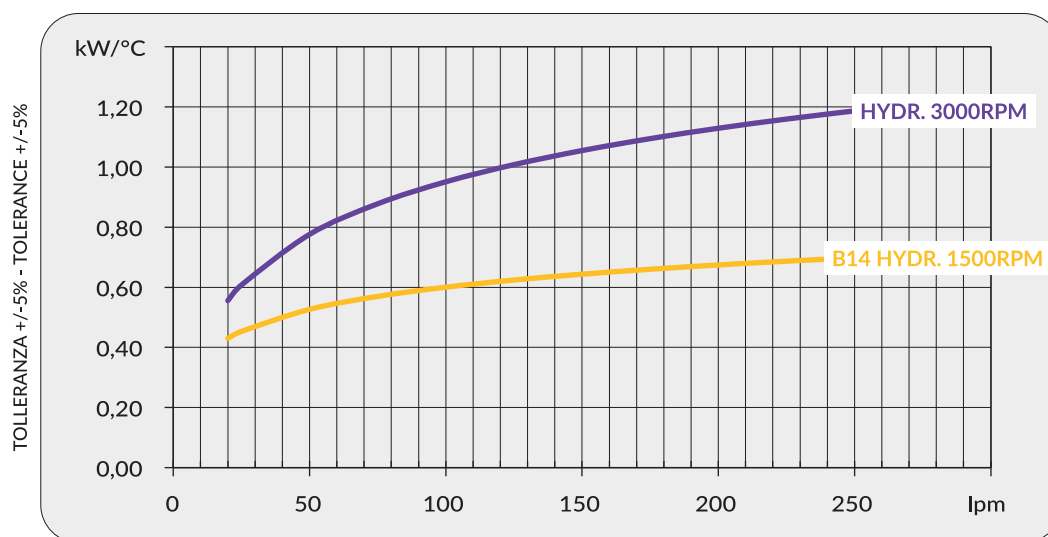


Dati tecnici Technical Data

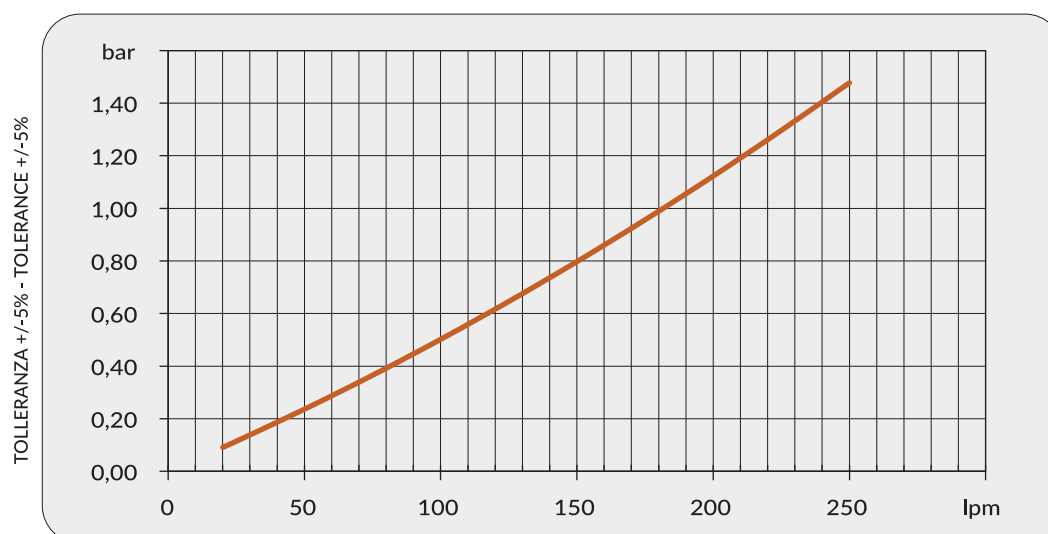
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM30	A250900400B##	230/400 AC B14 265/460 AC B14	50 60	0,75 0,86	3 - 1,7 3 - 1,7	1440 1730	73 77	56	6,8	37
HPAM30	A2509002000##	Prepared for Gr.2 hydraulic motor						-	6,8	21

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30cSt)



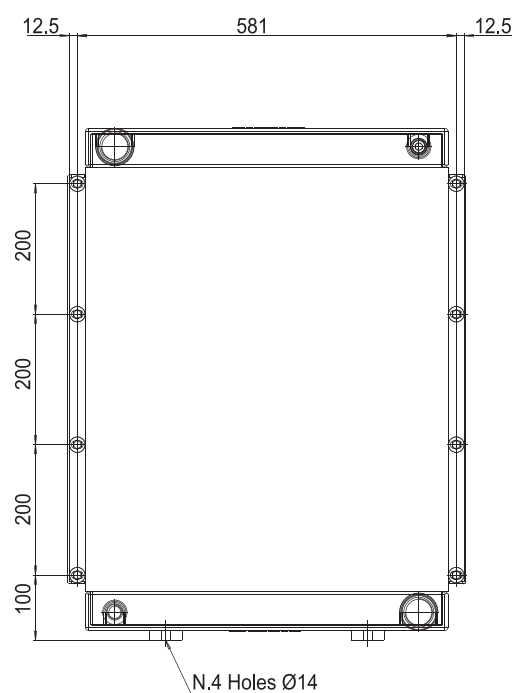
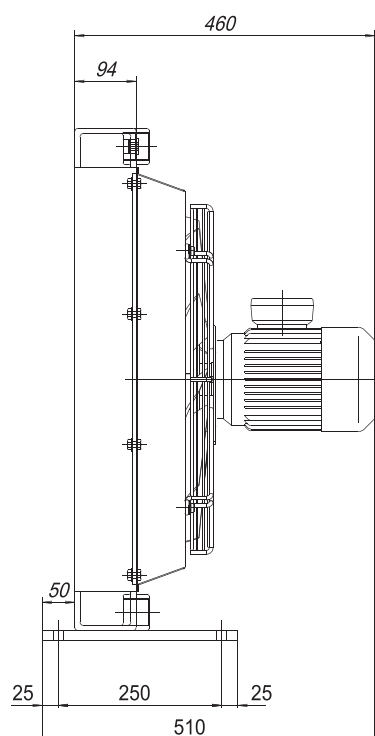
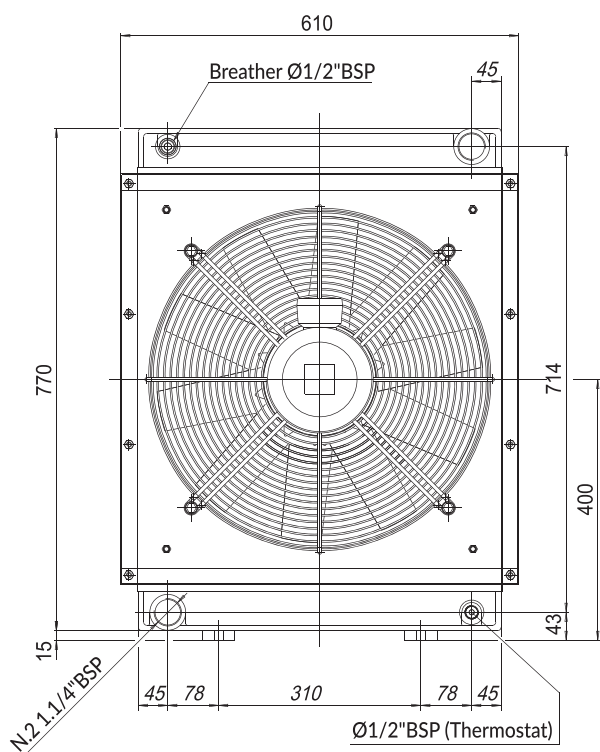
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

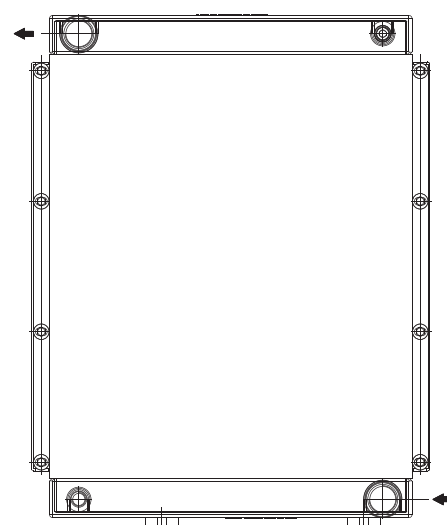
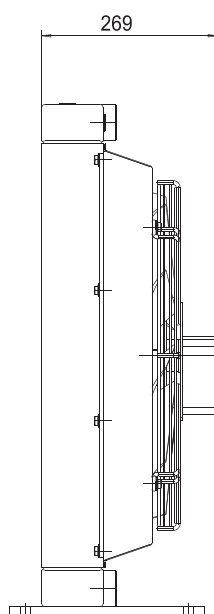
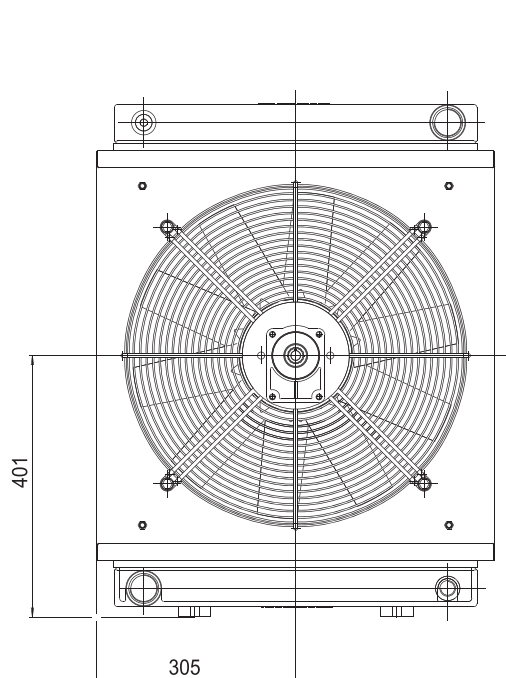


HPAM series

HPAM 36



P/N A251000400B##



P/N A2510002000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

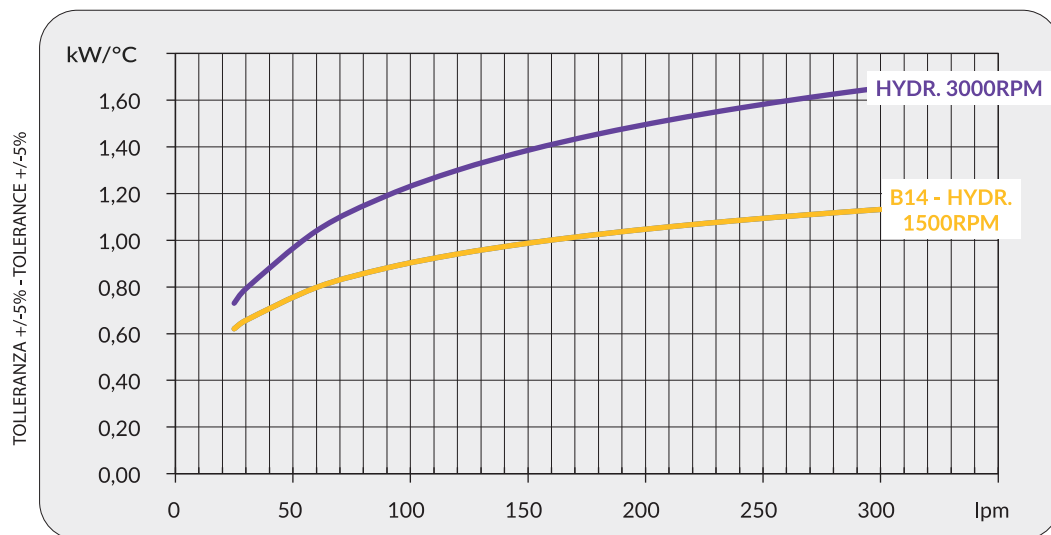


Dati tecnici Technical Data

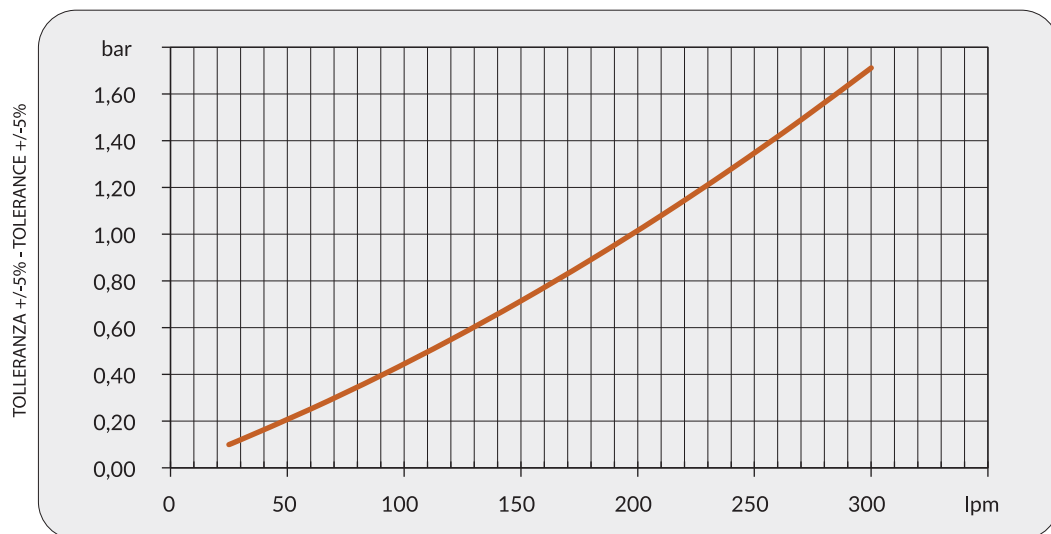
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM36	A251000400B##	230/400 AC B14 265/460 AC B14	50 60	1,1 1,3	4,5 - 2,6 4,5 - 2,6	1440 1730	76 84	56	9,4	60
HPAM36	A2510002000##	Prepared for Gr.2 hydraulic motor						56	9,4	37

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30cSt)



Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

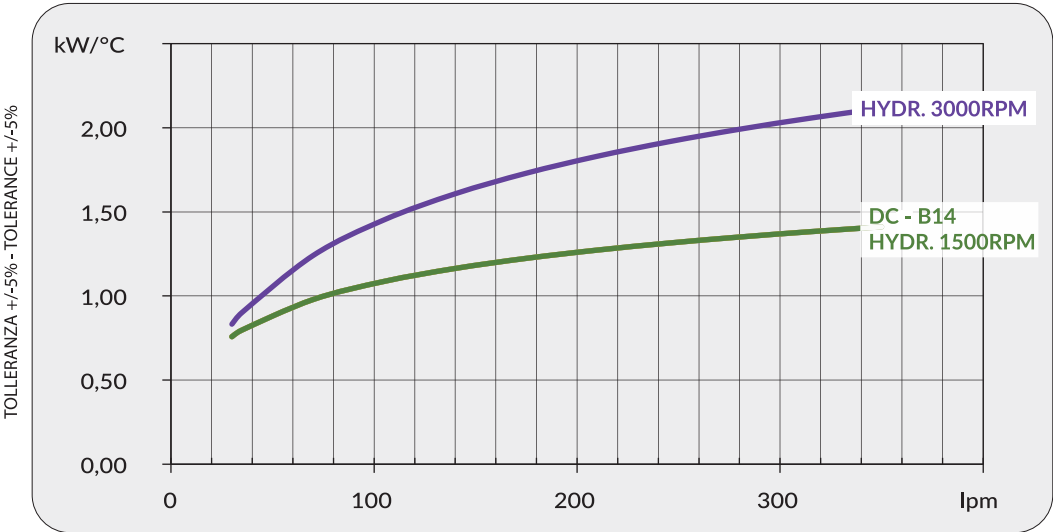


Dati tecnici *Technical Data*

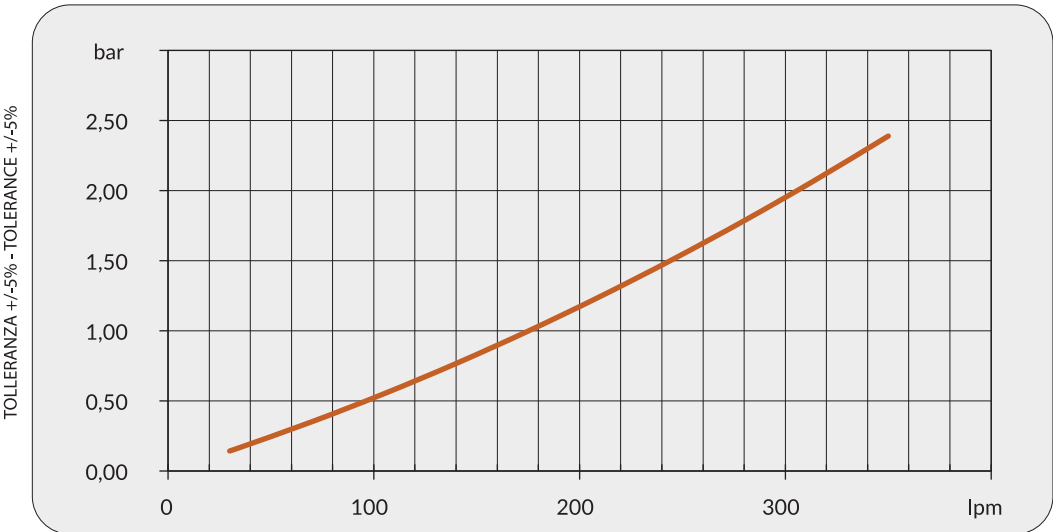
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	It	kg
HPAM42	A250000400B##	230/400 AC B14 265/460 AC B14	50 60	1,1 1,3	4,5 - 2,6 4,5 - 2,6	1440 1730	80 84	56	10,6	65
HPAM42	A2500002000## A2500003000##	Prepared for Gr.2 hydraulic motor Prepared for Gr.3 hydraulic motor						-	10,6	42

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Diagramma rendimento *Performance diagram*



Perdite di carico *Pressure drop (@30cSt)*



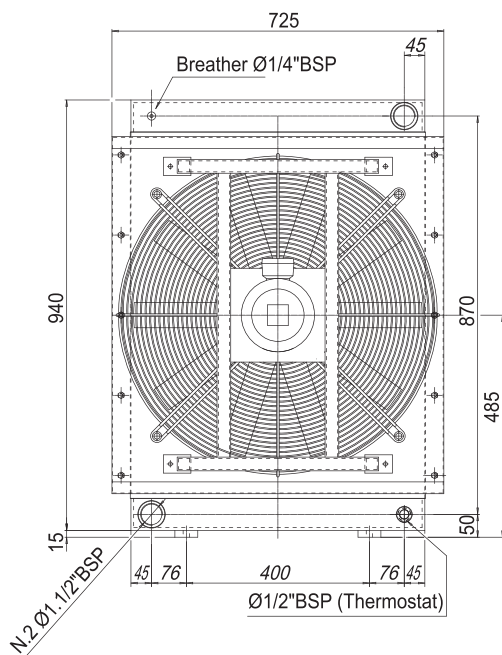
Fattore di correzione-F-(perdite di carico) *Correction factor-F-(pressure drop)*

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

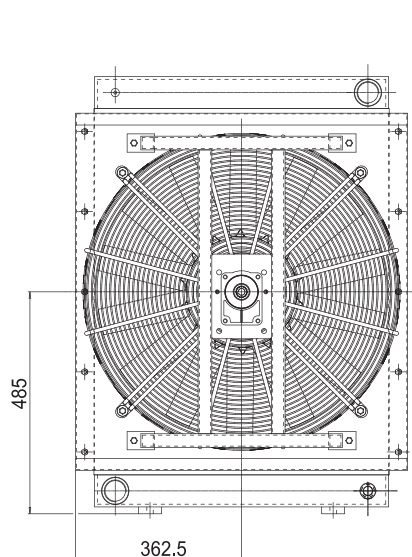


HPAM series

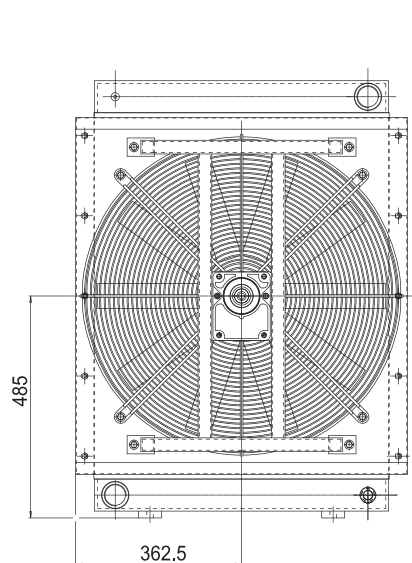
HPAM 50



P/N A251100400B##



P/N A2511002000##



P/N A2511003000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

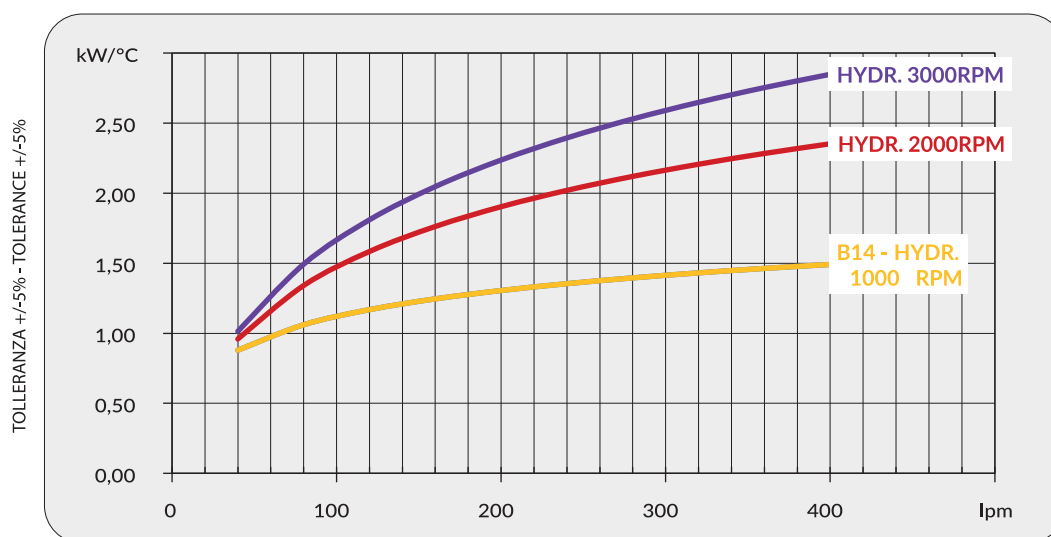


Dati tecnici *Technical Data*

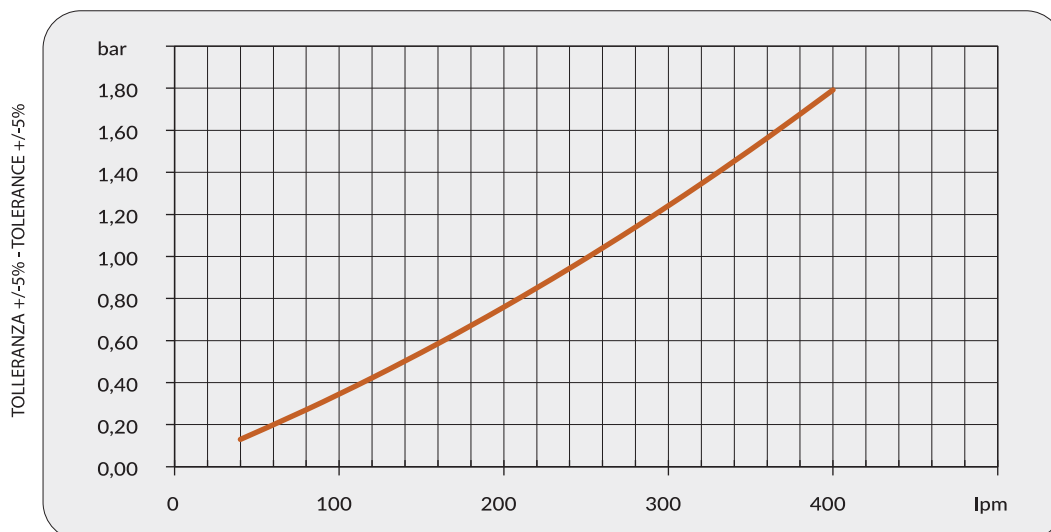
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM50	A251100400B##	230/400 AC B14 265/460 AC B14	50 60	1,1 1,3	5 - 2,9 5 - 2,9	936 1123	79 83	56	14,2	90
HPAM50	A2511002000## A2511003000##	Prepared for Gr.2 hydraulic motor Prepared for Gr.3 hydraulic motor						-	14,2	66

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Diagramma rendimento *Performance diagram*



Perdite di carico *Pressure drop (@30cSt)*



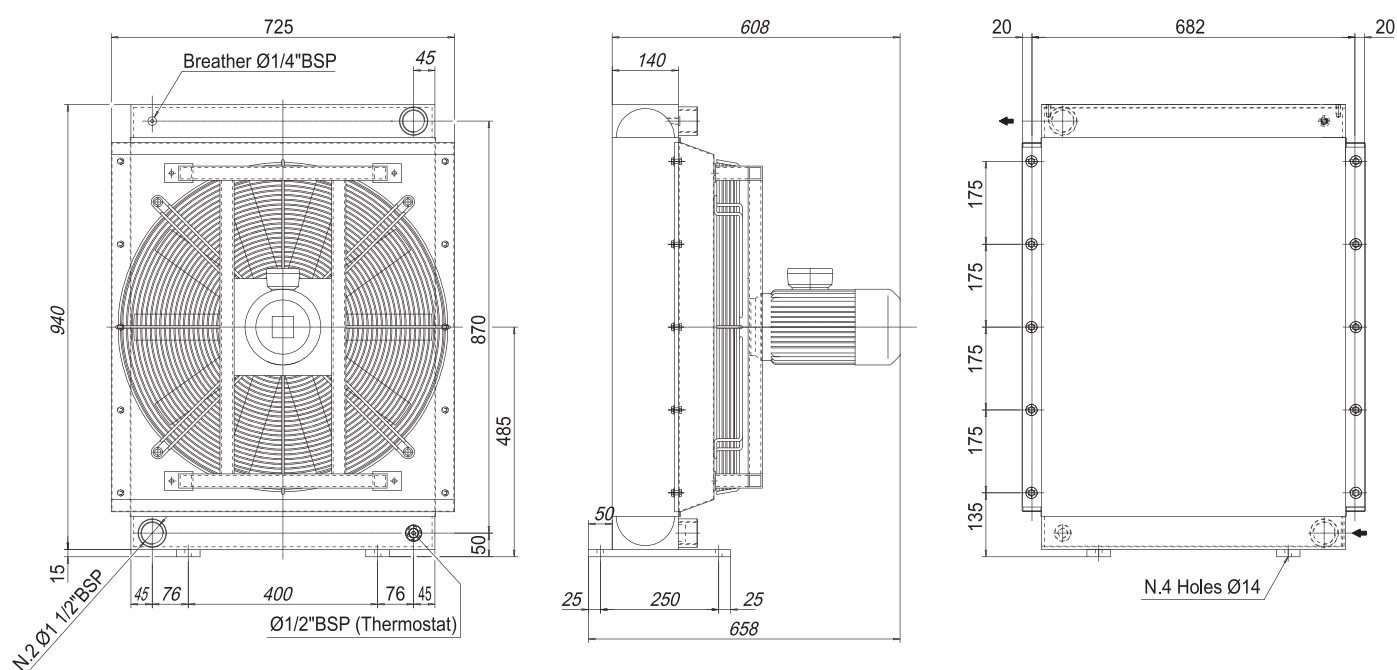
Fattore di correzione-F-(perdite di carico) *Correction factor-F-(pressure drop)*

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3



HPAM series

HPAM 52



P/N A251200400B##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

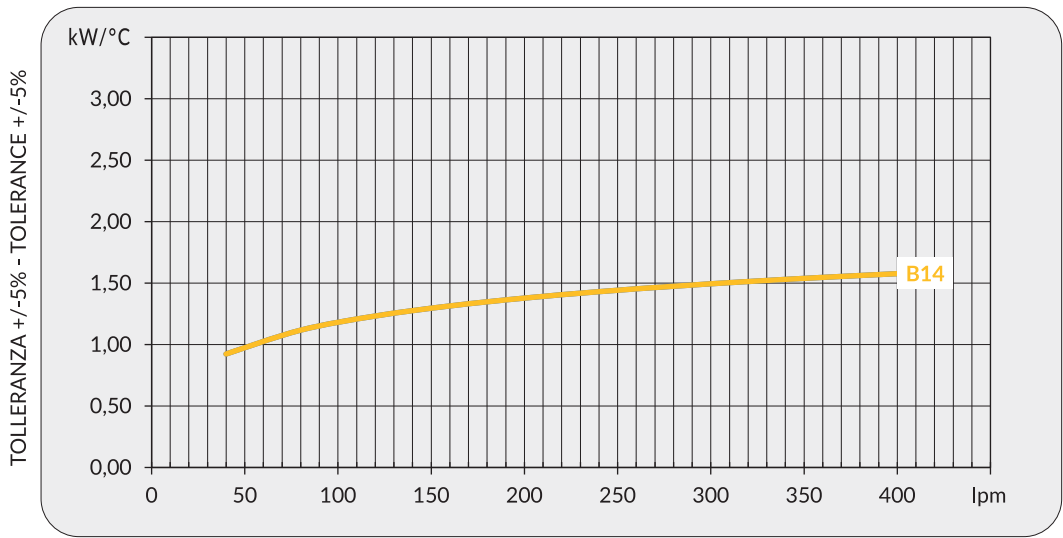


Dati tecnici Technical Data

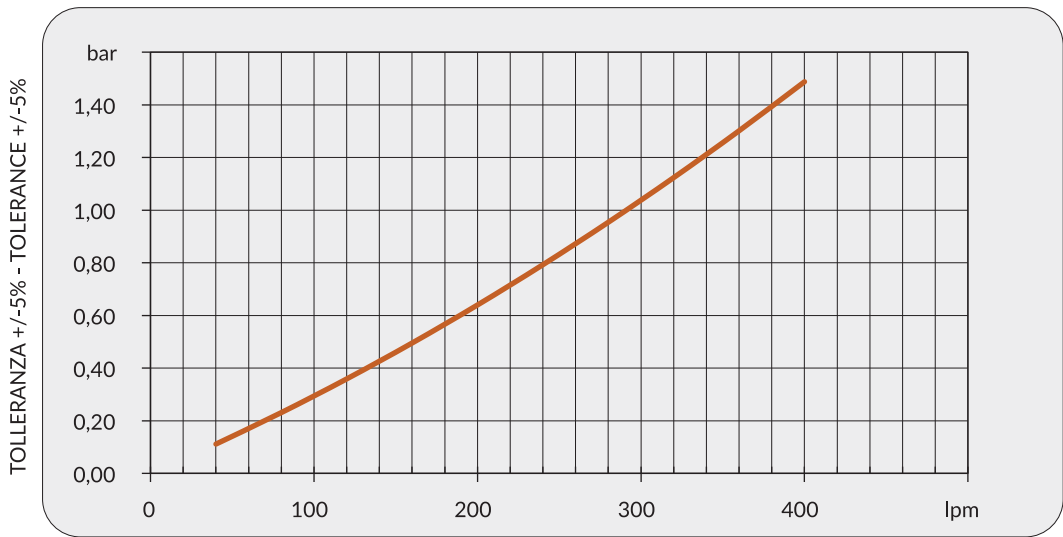
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	It	kg
HPAM52	A251200400B#1	230/400 AC B14 265/460 AC B14	50 60	1,1 1,3	5 - 2,9 5 - 2,9	936 1123	79 82	56	17,7	95

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30cSt)



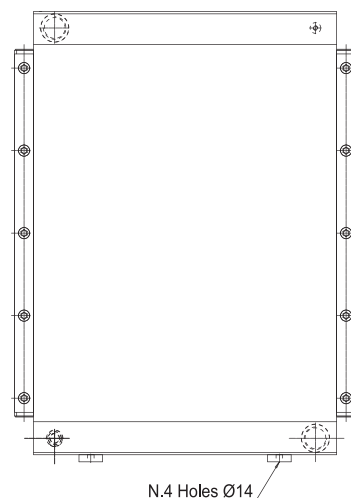
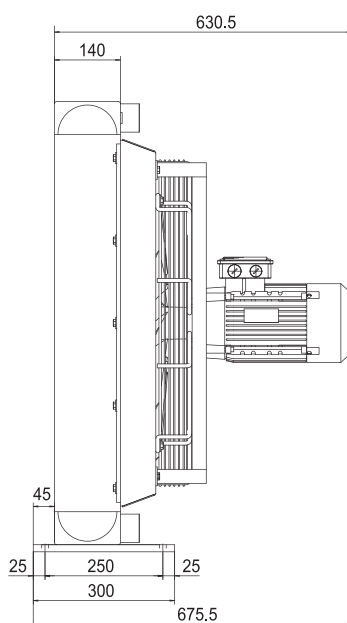
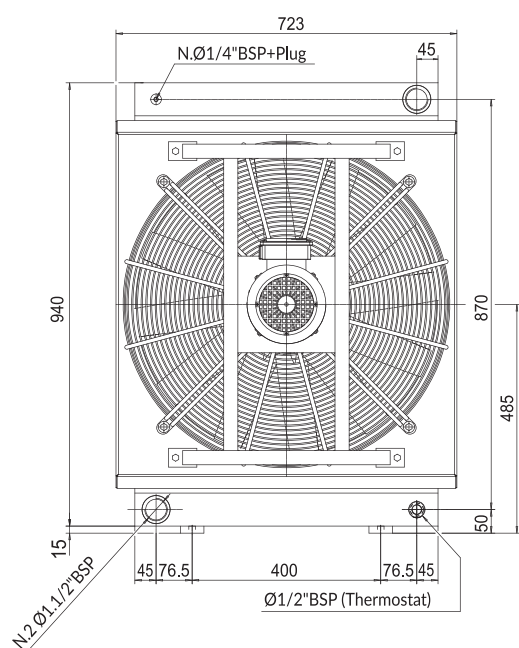
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

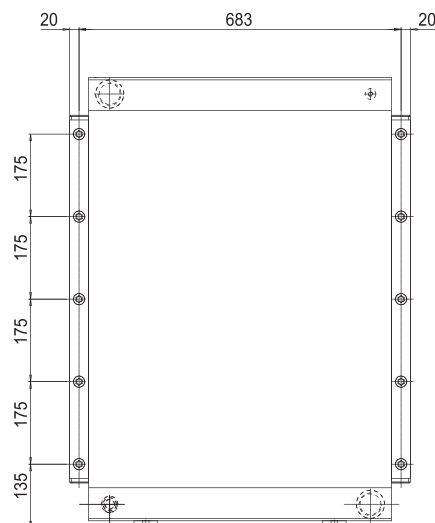
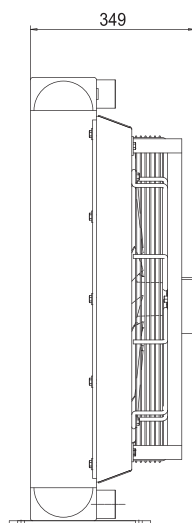
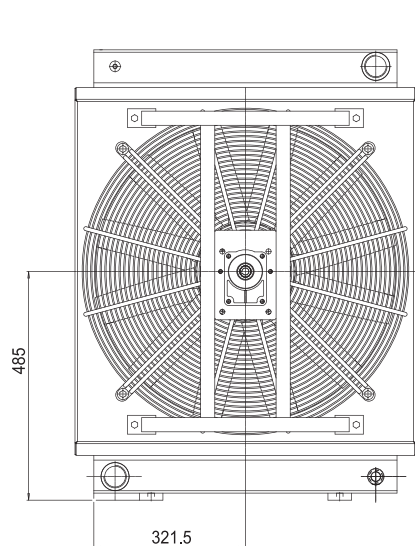


HPAM series

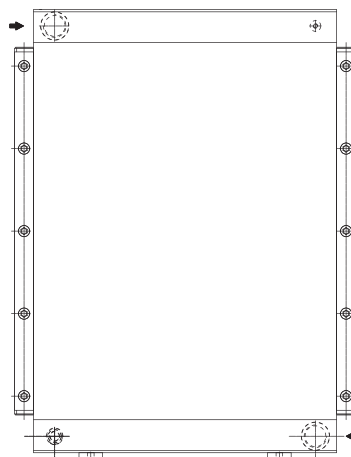
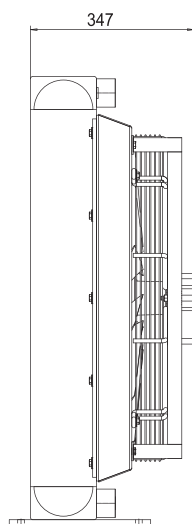
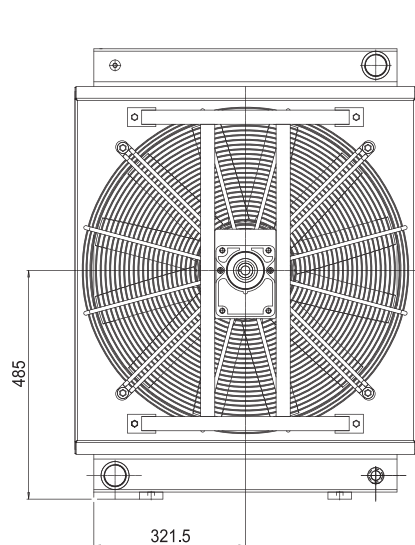
HPAM 72



P/N A251300400B##



P/N A2513002000##



P/N A2513003000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

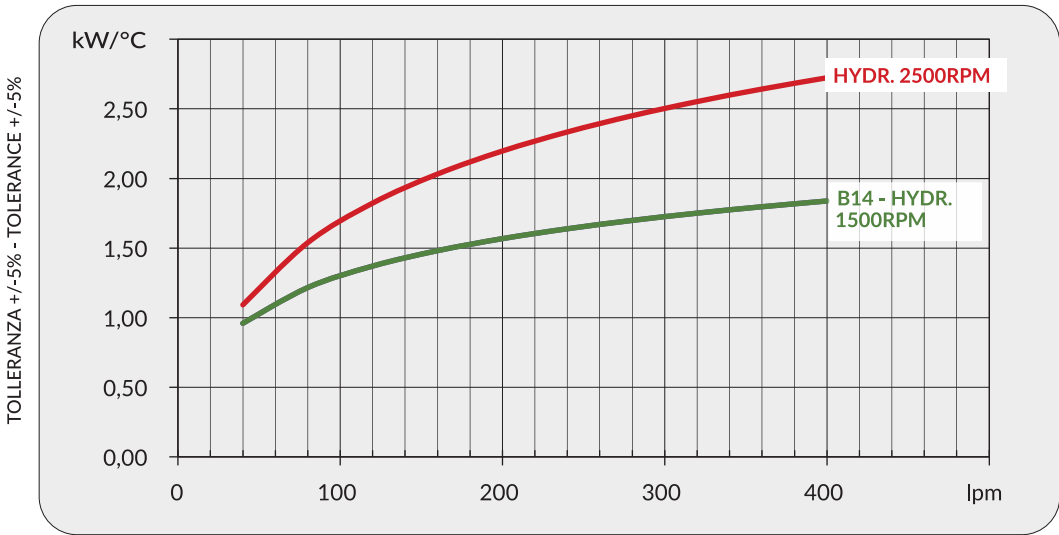


Dati tecnici *Technical Data*

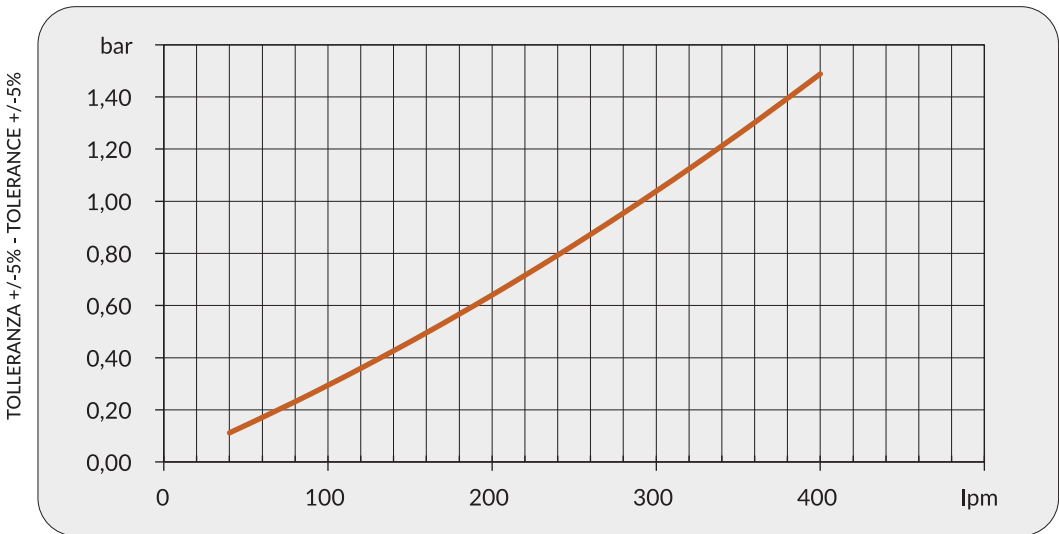
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	It	kg
HPAM72	A251300400B##	230/400 AC B14 265/460 AC B14	50 60	2,2 2,5	8,3 - 4,8 8,3 - 4,8	1435 1722	83 86	56	17,7	105
HPAM72	A2513002000## A2513003000##	Prepared for Gr.2 hydraulic motor Prepared for Gr.3 hydraulic motor						-	17,7	105

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Diagramma rendimento *Performance diagram*



Perdite di carico *Pressure drop (@30cSt)*



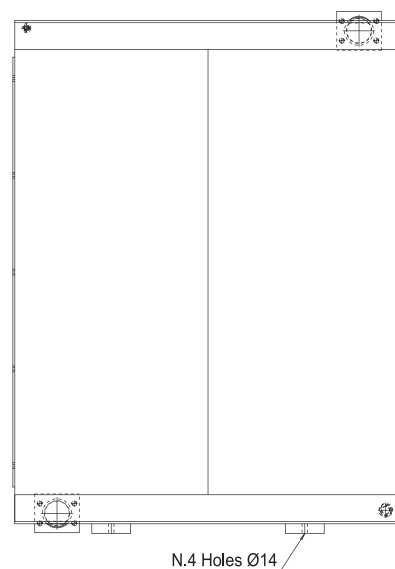
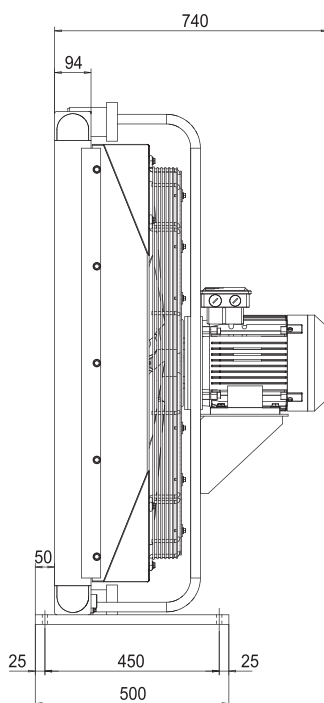
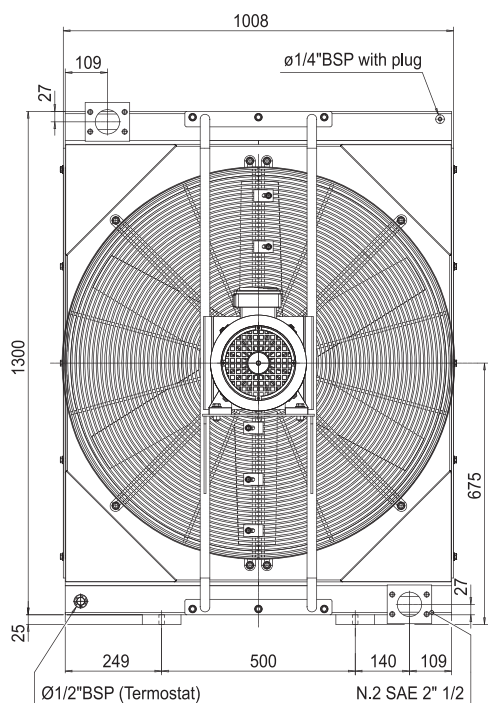
Fattore di correzione-F-(perdite di carico) *Correction factor-F-(pressure drop)*

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

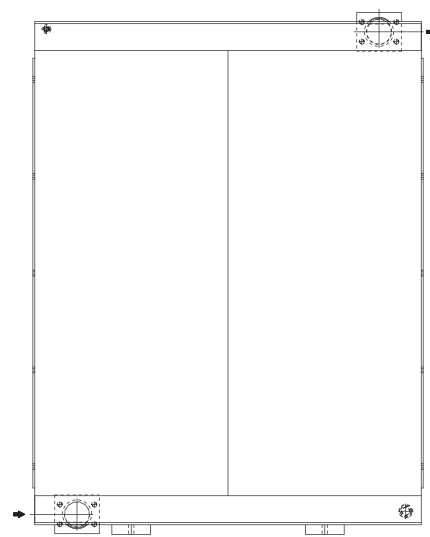
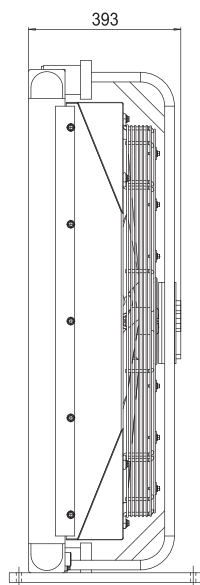
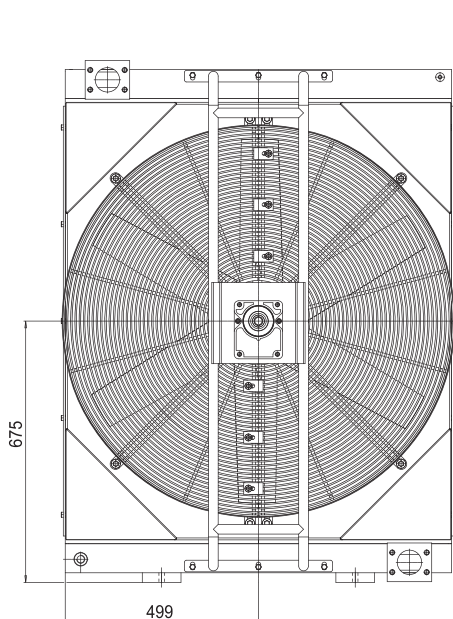


HPAM series

HPAM 135



P/N A251400400B##



P/N A2514003000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

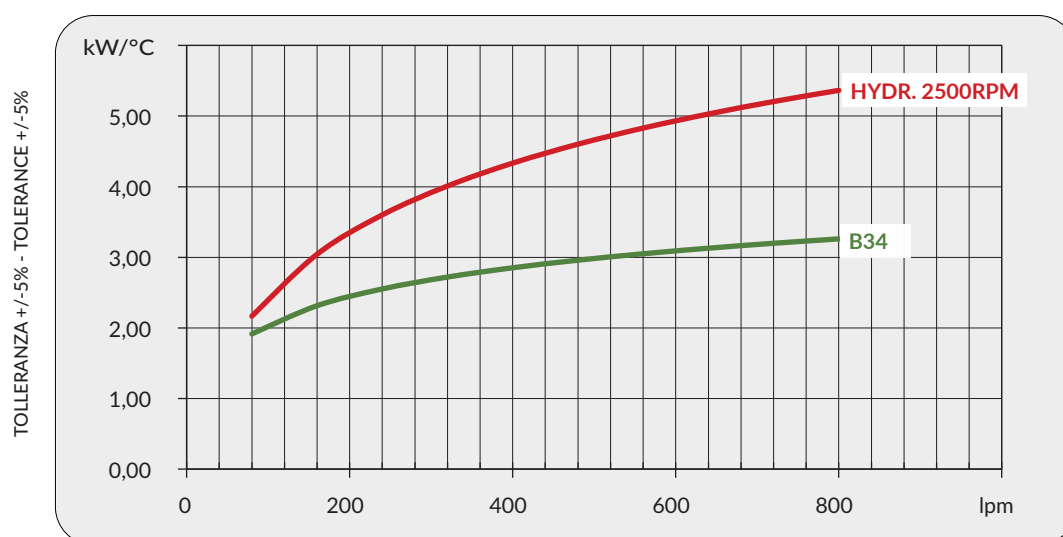


Dati tecnici Technical Data

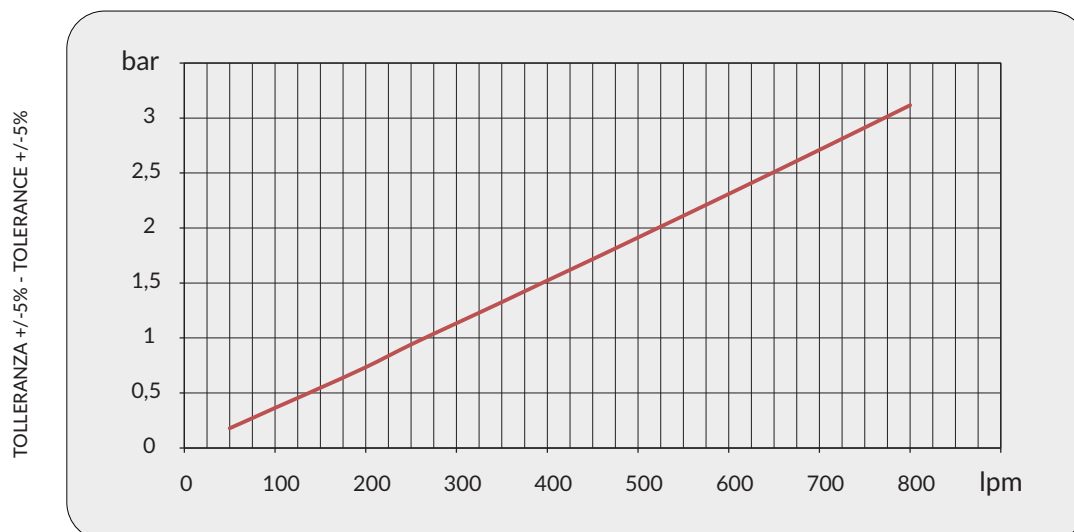
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM135	A251400400B##	230/400 AC B34 265/460 AC B34	50 60	3 3,5	12,1 - 7,0 12,1 - 7,0	969 1163	80 84	56	26	126
HPAM135	A2514003000##	Prepared for Gr.3 hydraulic motor						-	26	61

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30 cSt)



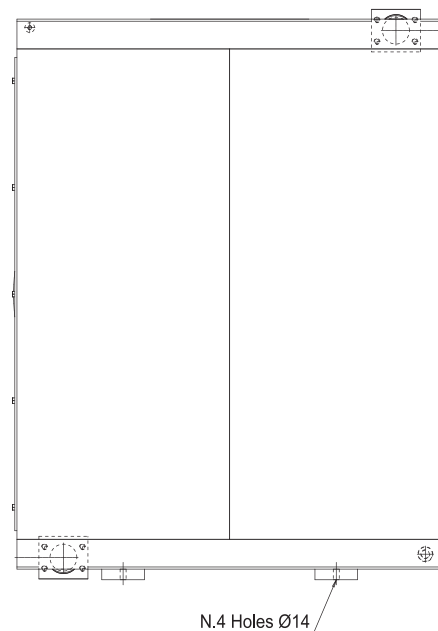
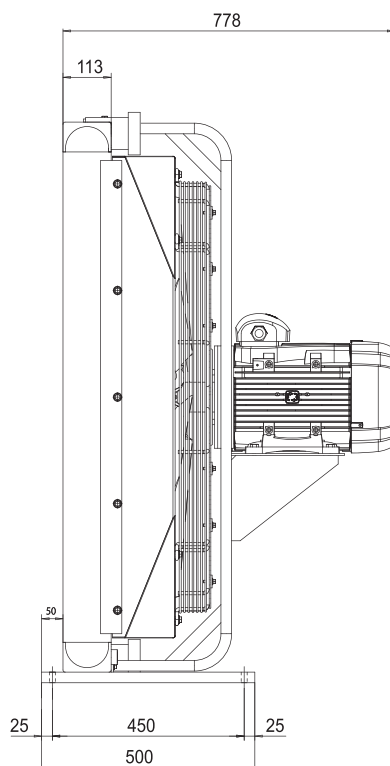
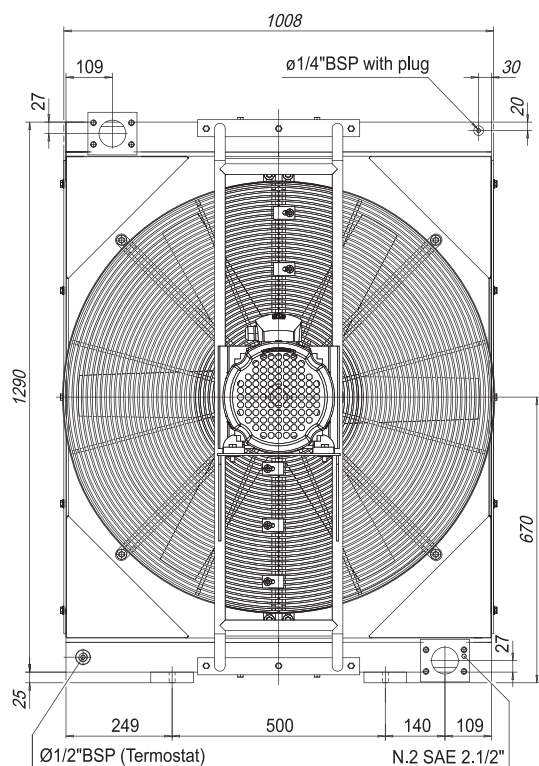
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

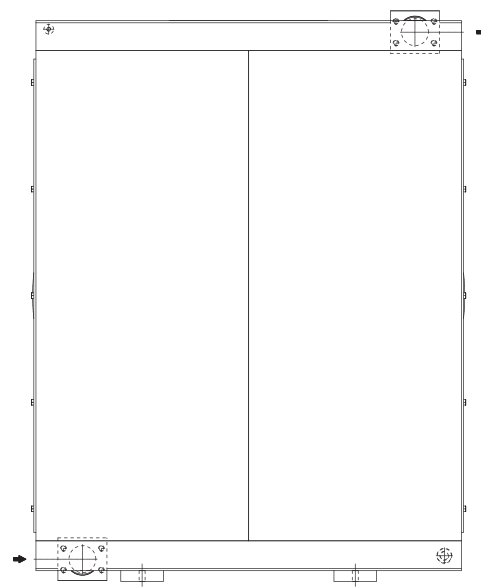
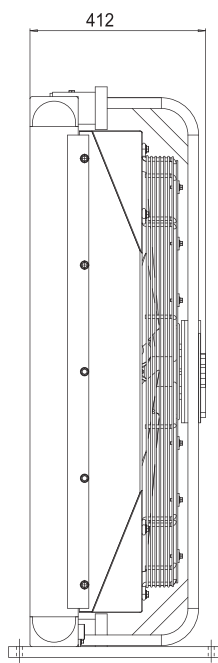
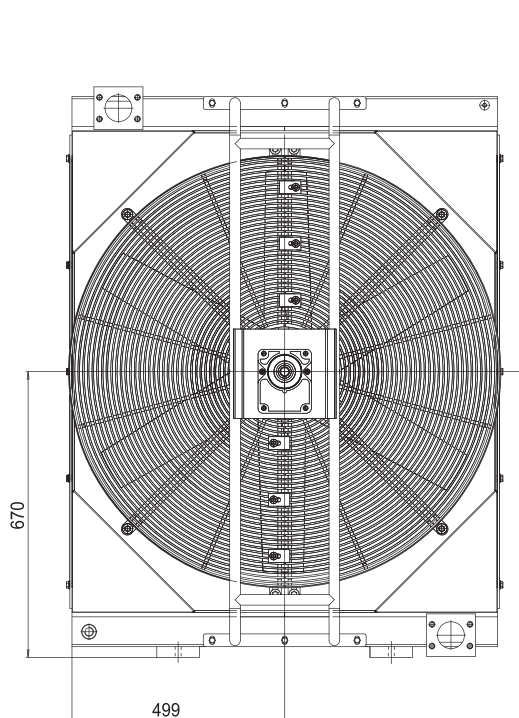


HPAM series

HPAM 180



P/N A251500400B##



P/N A2515003000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Over-all dimensions and technical characteristic are not binding

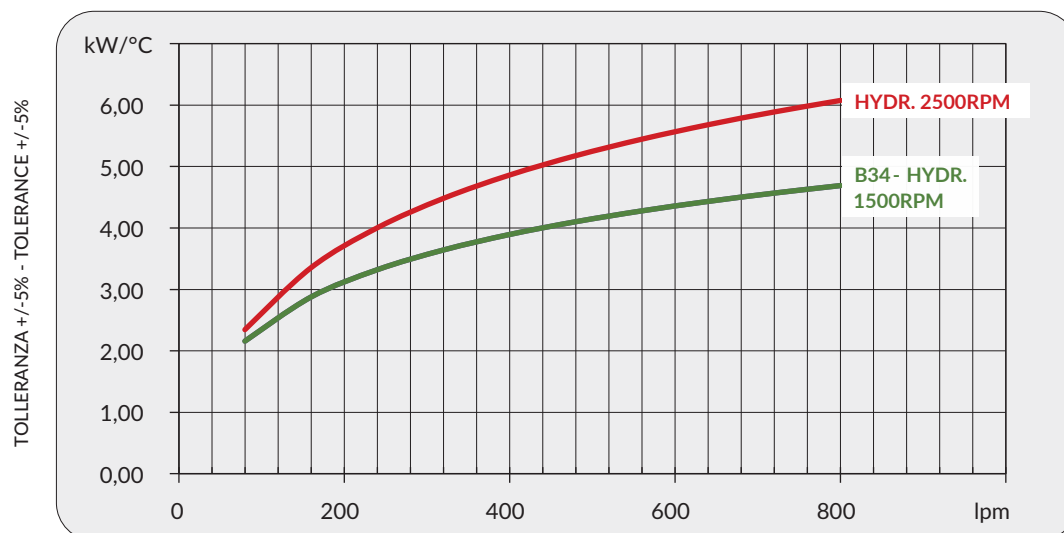


Dati tecnici Technical Data

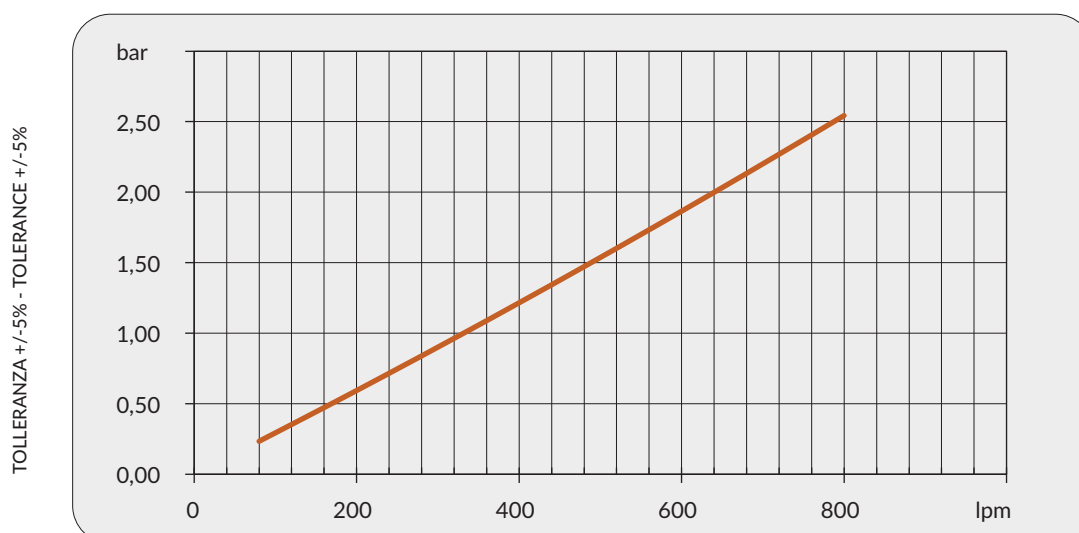
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM180	A251500400B##	400/690 AC B34 460/795 AC B34	50 60	7,5 8,6	14,4 - 8,3 14,4 - 8,3	1450 1740	89 93	56	31	200
HPAM180	A2515003000##	Prepared for Gr.3 hydraulic motor						56	31	143

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30 cSt)



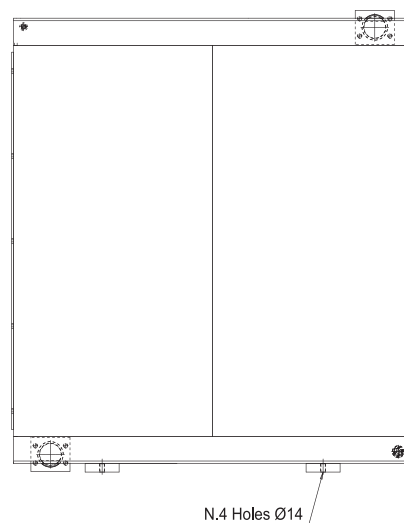
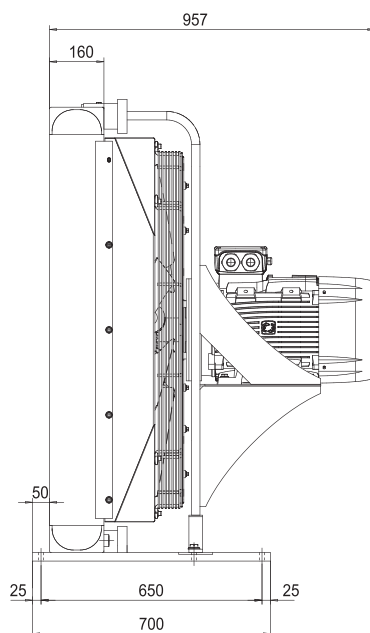
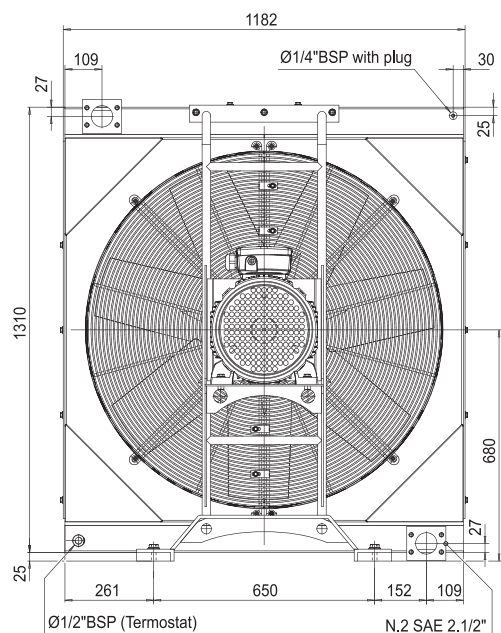
Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

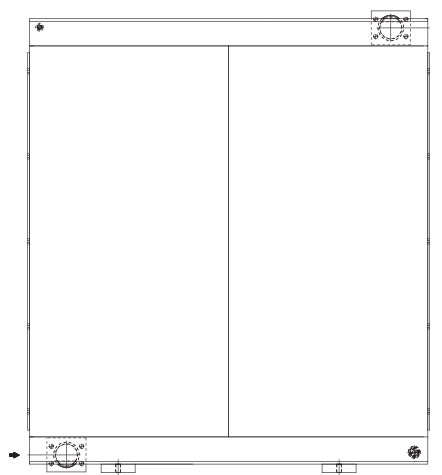
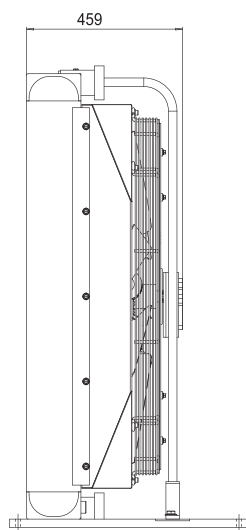
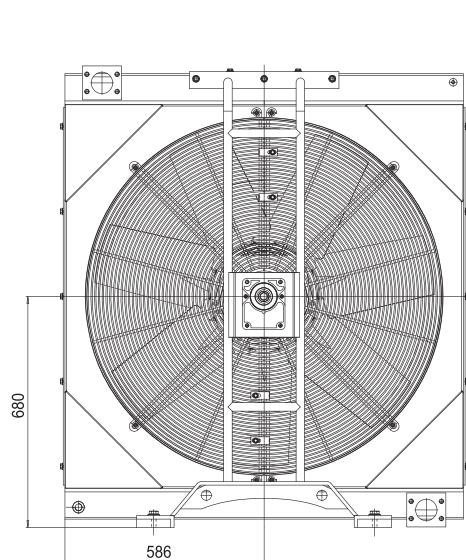


HPAM series

HPAM 255



P/N A251600400B##



P/N A2516003000##

Le dimensioni di ingombro e le caratteristiche tecniche non sono impegnative
Overall dimensions and technical characteristic are not binding

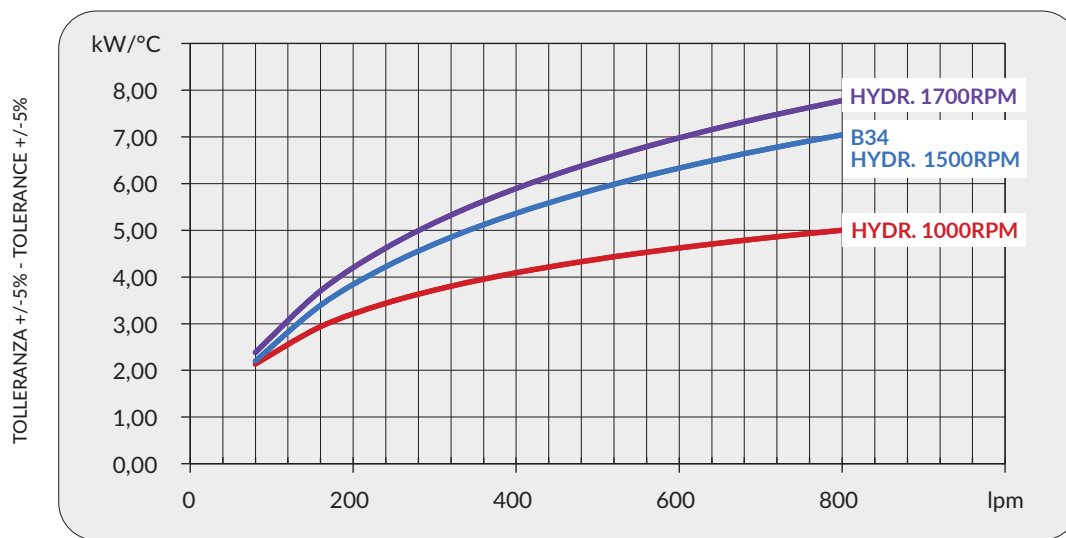


Dati tecnici Technical Data

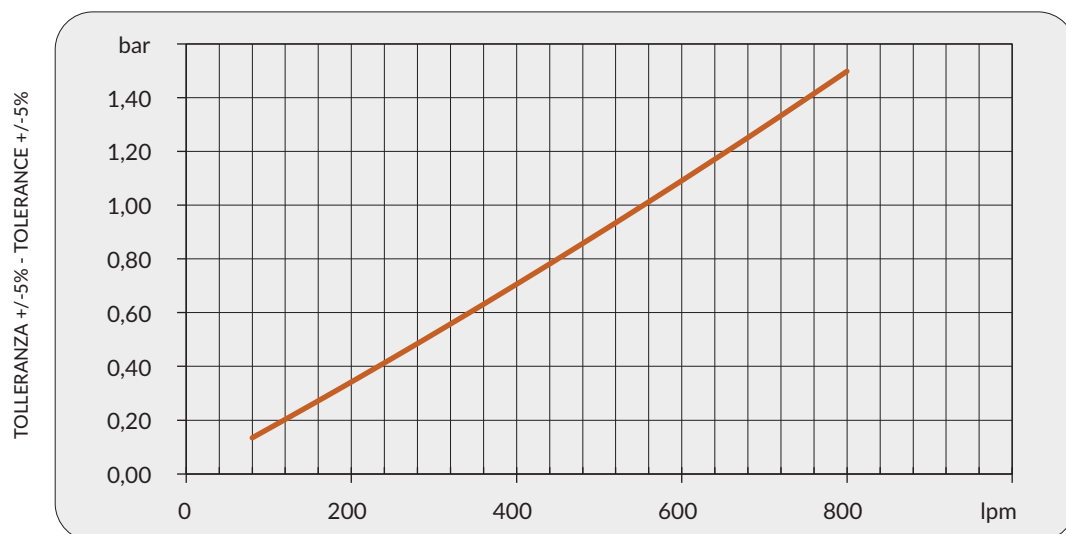
Modello Model	P/N	V	Hz	kW(±10%)	A (±10%)	rpm	dB (A)	IP	lt	kg
HPAM255	A251600400B##	400/690 AC B34 460/795 AC B34	50 60	15 17,3	28,1 - 16,3 28,1 - 16,3	1456 1747	96 100	56	56	358
HPAM255	A2516003000##	Prepared for Gr.3 hydraulic motor						-	56	210

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Diagramma rendimento Performance diagram



Perdite di carico Pressure drop (@30 cSt)



Fattore di correzione-F-(perdite di carico) Correction factor-F-(pressure drop)

cSt	10	15	20	30	40	50	60	80	100	200	300
F	0,5	0,65	0,77	1	1,2	1,4	1,6	1,9	2,1	3,3	4,3

