

VSP

Elettropompe con inverter



MADE IN ITALY

 **PEDROLLO**[®]
the spring of life



● ELETTROPOMPE CON INVERTER INCORPORATO

Unità di pompaggio compatte, complete di elettropompa, inverter e sensore di pressione

● SILENZIOSO E PERFORMANTE

VSP è particolarmente silenzioso grazie agli avvii e agli arresti progressivi che eliminano i colpi di ariete e al contempo riducono drasticamente il consumo di corrente.

La tecnologia elettronica **PFC** (Power Factor Corrector), garantisce la conformità alle più stringenti normative europee fornendo sempre la massima prestazione dichiarata in targa, indipendentemente da eventuali scostamenti, anche consistenti, della tensione di alimentazione rispetto al valore nominale (+/- 20%).



UTILIZZI E INSTALLAZIONI

Ideale per gli impianti di pressurizzazione domestica e civile, l'unità di pompaggio VSP, grazie al regolatore di velocità ad inverter, consente di modulare i giri del motore in rapporto alla quantità di acqua utilizzata dall'impianto, riducendo il consumo energetico e mantenendo sempre costante la pressione dell'impianto, anche al variare del numero di utenze.

Il regolatore di velocità integrato, alimentato da una tensione monofase o trifase, eroga una tensione di uscita trifase che alimenta un motore con classe di rendimento IE3.

PROTEZIONI

Marcia a secco

Nel caso di marcia secca, la logica a microprocessore arresta la pompa dopo pochi secondi ed effettua riavvii programmati nel tempo per verificare il ritorno dell'acqua.

Correnti - tensioni - temperature

VSP limita le correnti, avvisa se la tensione oltrepassa i limiti consentiti, protegge da sovratemperature e da cortocircuiti tra le fasi in uscita.

Controllo dinamico dei sensori

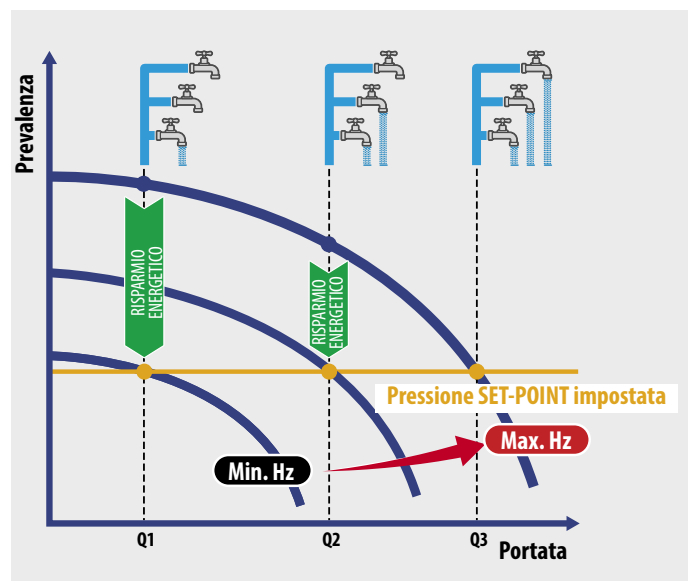
Il controllo continuo dello stato dei sensori inseriti nell'impianto permette a VSP di adeguare dinamicamente il funzionamento della pompa e, nel caso di anomalie, di arrestare l'unità di pompaggio.

GARANZIA

2 anni secondo le nostre condizioni generali di vendita

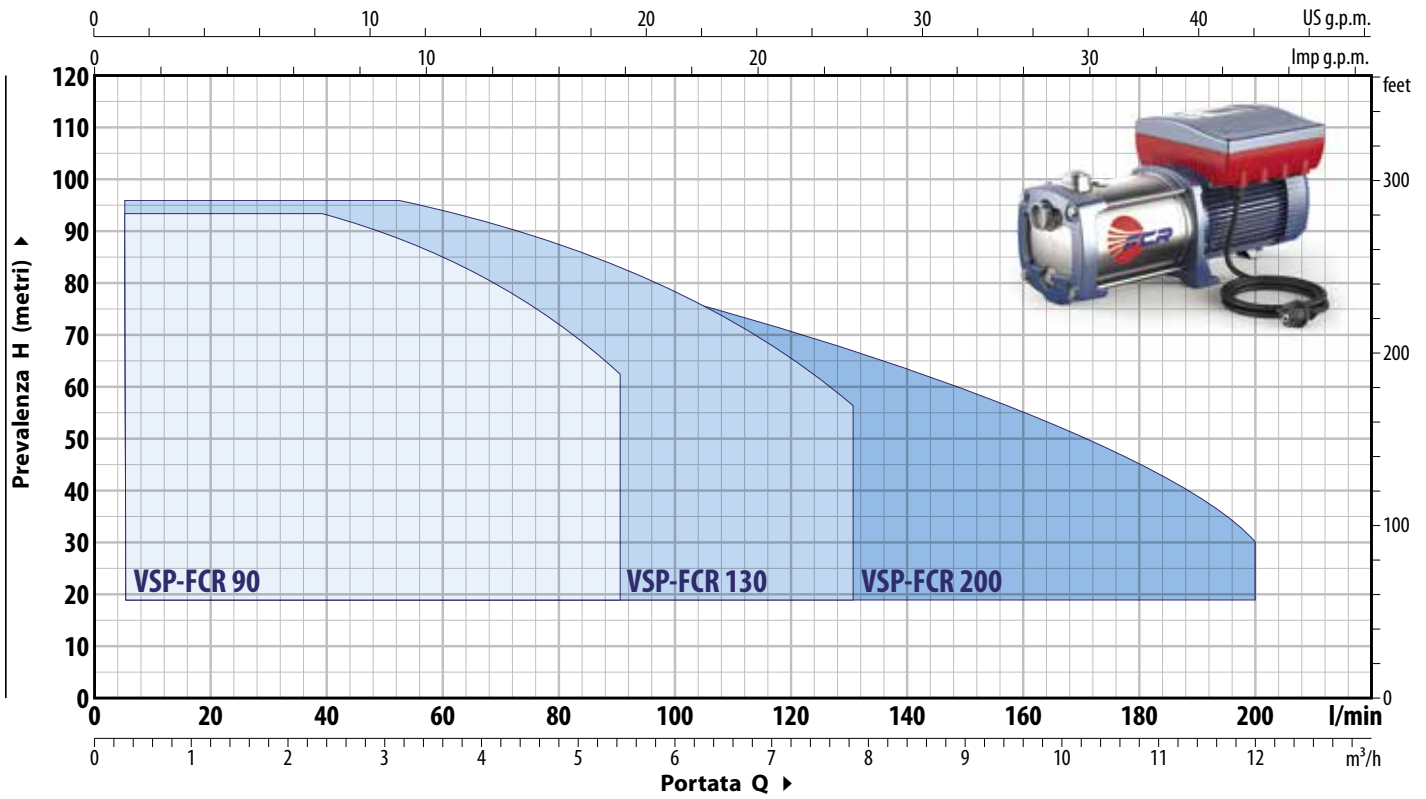
RISPARMIO ENERGETICO

Lavorando a velocità variabile, VSP consuma solamente l'energia richiesta dall'impianto, in relazione al fabbisogno idrico.



Grado di protezione dell'inverter: IP 55

CAMPO DI PRESTAZIONI



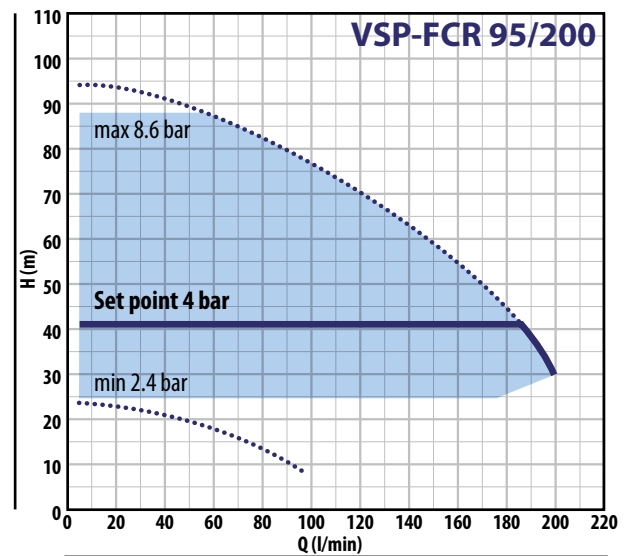
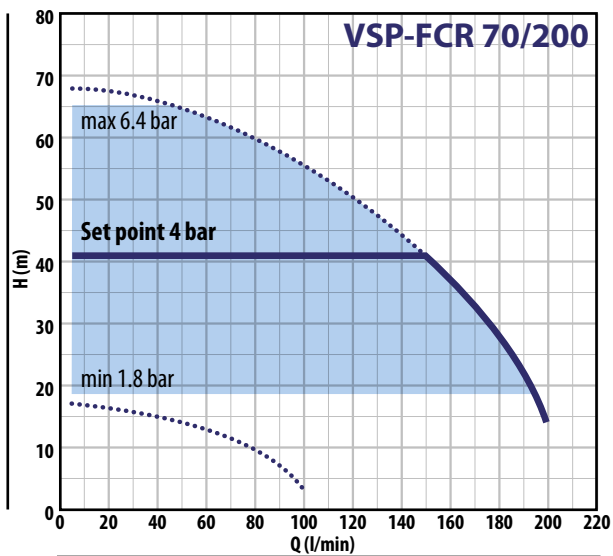
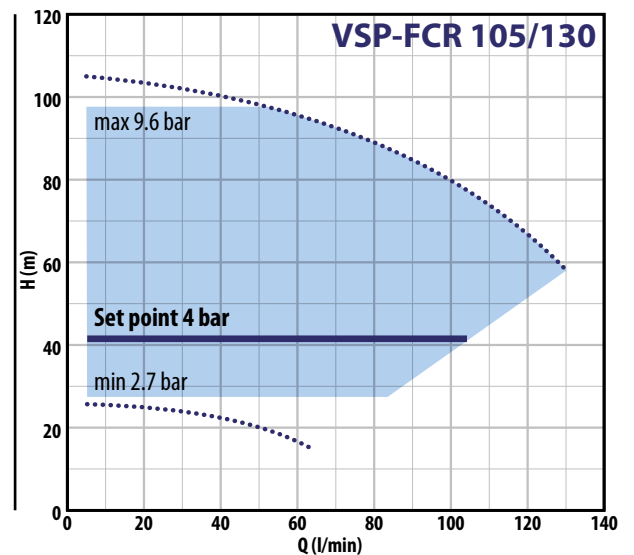
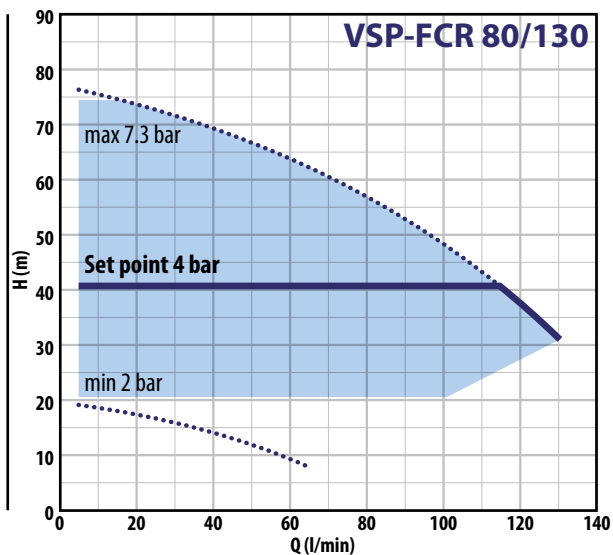
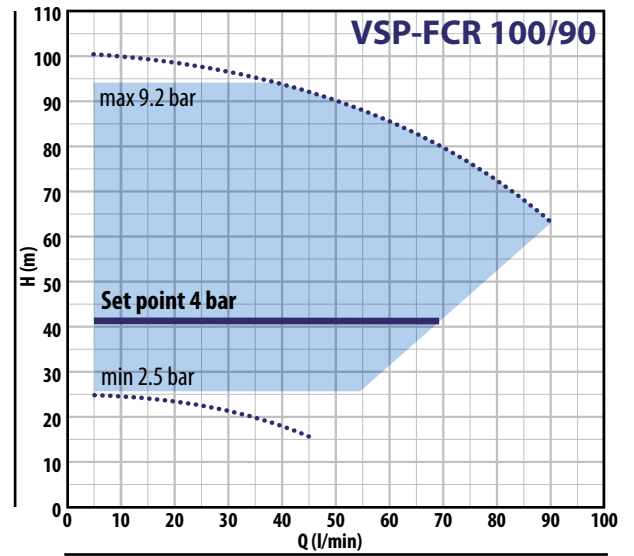
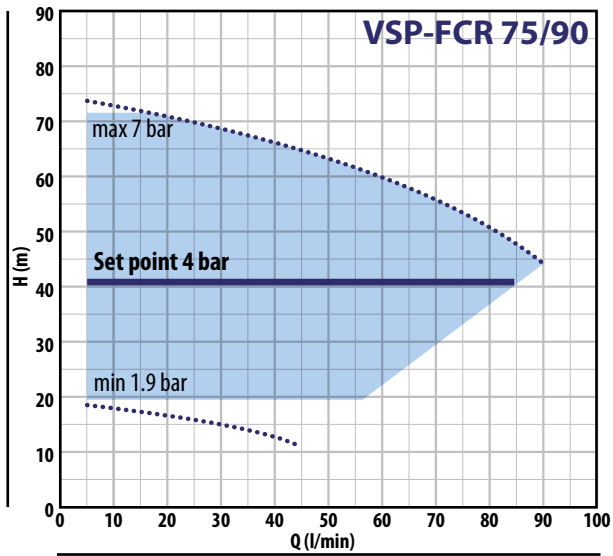
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	P2 kW	HP	▲		Q litri/min	H metri	Set Point Min		Set Point Taratura Std		Set Point Max	
MONOFASE							bar	l/min	bar	l/min	bar	l/min
VSPm-FCR 75/90	1.5	2	IE3	9.8 A	5 - 90	73 - 44	1.9	5 - 56	4.0	5 - 86	7.0	5 - 16
VSPm-FCR 80/130	1.5	2		9.8 A	10 - 130	76 - 31	2.0	5 - 100	4.0	5 - 114	7.3	5 - 18
VSPm-FCR 70/200	1.5	2		9.8 A	20 - 200	67 - 14	1.8	5 - 194	4.0	5 - 152	6.4	5 - 48

TIPO	POTENZA			ASSORBIMENTI 400 V	PRESTAZIONI MAX		PRESTAZIONI (SET POINT REGOLABILE)					
	P2 kW	HP	▲		Q litri/min	H metri	Set Point Min		Set Point Taratura Std		Set Point Max	
TRIFASE							bar	l/min	bar	l/min	bar	l/min
VSP-FCR 75/90	1.5	2	IE3	3.6 A	5 - 90	73 - 44	1.9	5 - 56	4.0	5 - 86	7.0	5 - 16
VSP-FCR 100/90	2.2	3		4.9 A	5 - 90	100 - 63	2.5	5 - 54	4.0	5 - 69	9.2	5 - 40
VSP-FCR 80/130	1.5	2		3.6 A	10 - 130	76 - 31	2.0	5 - 100	4.0	5 - 114	7.3	5 - 18
VSP-FCR 105/130	2.2	3		4.9 A	10 - 130	104 - 58	2.7	5 - 85	4.0	5 - 105	9.6	5 - 46
VSP-FCR 70/200	1.5	2		3.6 A	20 - 200	67 - 14	1.8	5 - 194	4.0	5 - 152	6.4	5 - 48
VSP-FCR 95/200	2.2	3		4.9 A	20 - 200	93 - 30	2.4	5 - 175	4.0	5 - 185	8.6	5 - 56

▲ Classe di rendimento del motore trifase (IEC 60034-30-1)

VSP-FCR

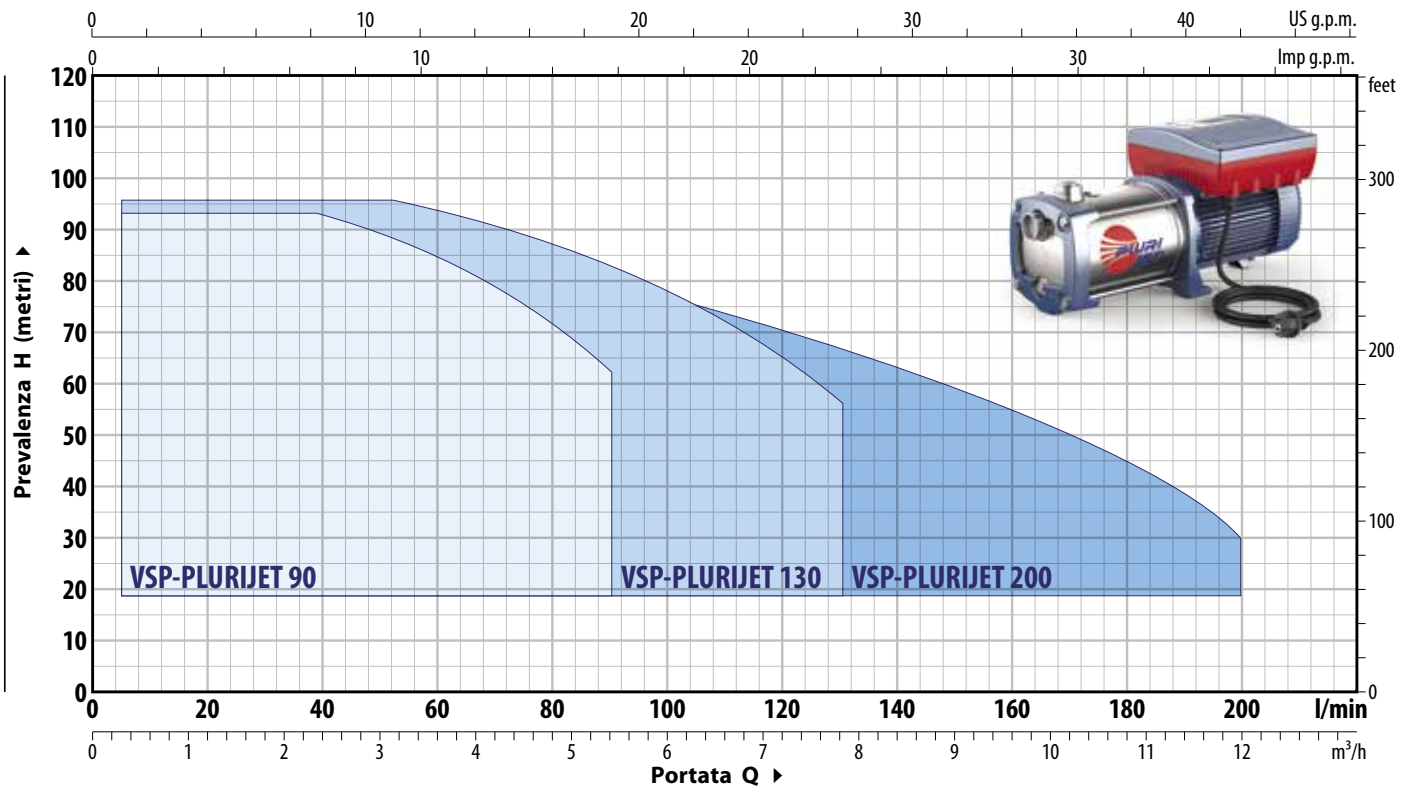
CURVE DI PRESTAZIONE



VSP-PLURIJET



CAMPO DI PRESTAZIONI



TIPO	POTENZA			ASSORBIMENTI	PRESTAZIONI MAX		PRESTAZIONI (SET POINT REGOLABILE)					
	P2		▲		Q	H	Set Point Min		Set Point Taratura Std		Set Point Max	
MONOFASE	kW	HP					230 V	litri/min	metri	bar	l/min	bar
VSPm-PLURIJET 75/90	1.5	2	IE3	9.8 A	5 - 90	73 - 44	1.9	5 - 56	4.0	5 - 86	7.0	5 - 16
VSPm-PLURIJET 80/130	1.5	2		9.8 A	10 - 130	76 - 31	2.0	5 - 100	4.0	5 - 114	7.3	5 - 18
VSPm-PLURIJET 70/200	1.5	2		9.8 A	20 - 200	67 - 14	1.8	5 - 194	4.0	5 - 152	6.4	5 - 48

TIPO	POTENZA			ASSORBIMENTI	PRESTAZIONI MAX		PRESTAZIONI (SET POINT REGOLABILE)					
	P2		▲		Q	H	Set Point Min		Set Point Taratura Std		Set Point Max	
TRIFASE	kW	HP					400 V	litri/min	metri	bar	l/min	bar
VSP-PLURIJET 75/90	1.5	2	IE3	3.6 A	5 - 90	73 - 44	1.9	5 - 56	4.0	5 - 86	7.0	5 - 16
VSP-PLURIJET 100/90	2.2	3		4.9 A	5 - 90	100 - 63	2.5	5 - 54	4.0	5 - 69	9.2	5 - 40
VSP-PLURIJET 80/130	1.5	2		3.6 A	10 - 130	76 - 31	2.0	5 - 100	4.0	5 - 114	7.3	5 - 18
VSP-PLURIJET 105/130	2.2	3		4.9 A	10 - 130	104 - 58	2.7	5 - 85	4.0	5 - 105	9.6	5 - 46
VSP-PLURIJET 70/200	1.5	2		3.6 A	20 - 200	67 - 14	1.8	5 - 194	4.0	5 - 152	6.4	5 - 48
VSP-PLURIJET 95/200	2.2	3		4.9 A	20 - 200	93 - 30	2.4	5 - 175	4.0	5 - 185	8.6	5 - 56

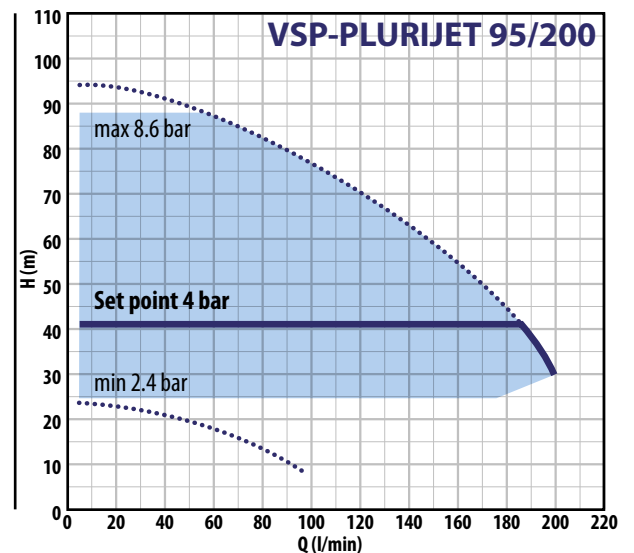
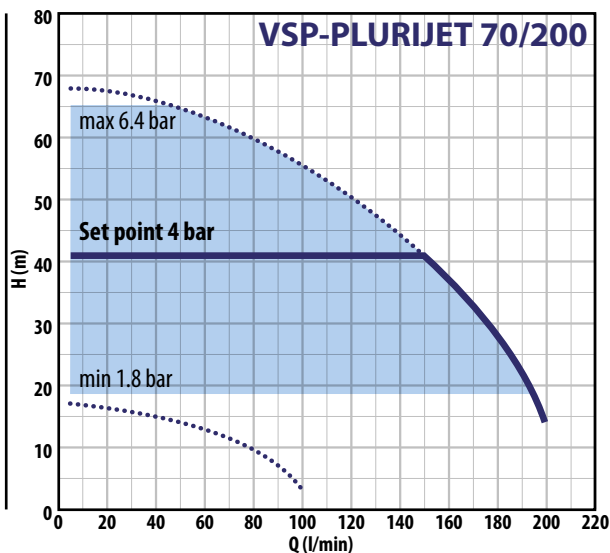
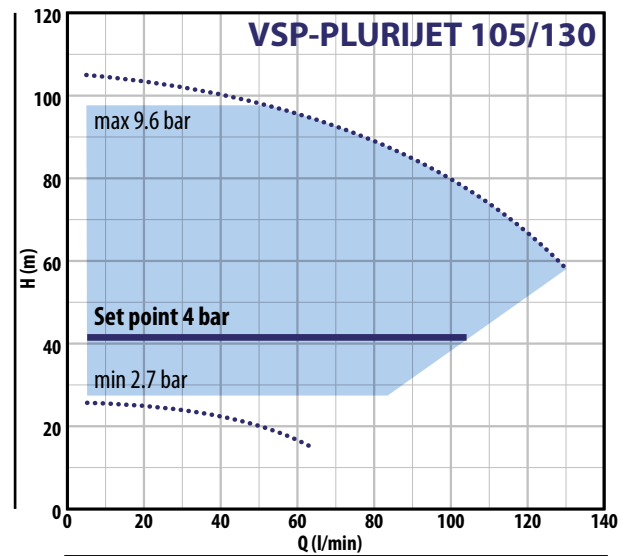
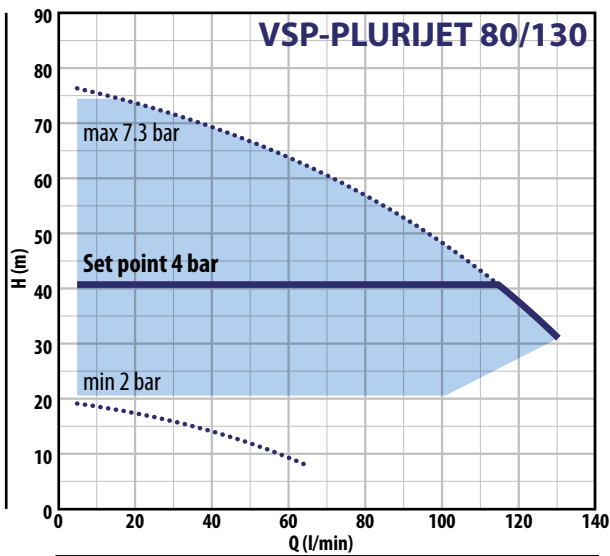
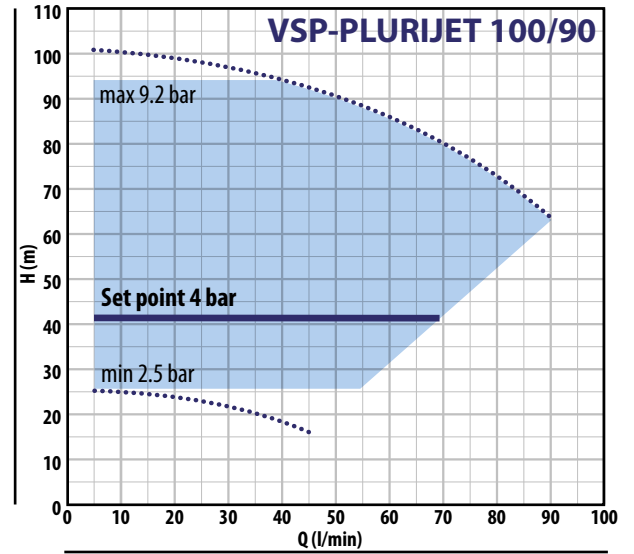
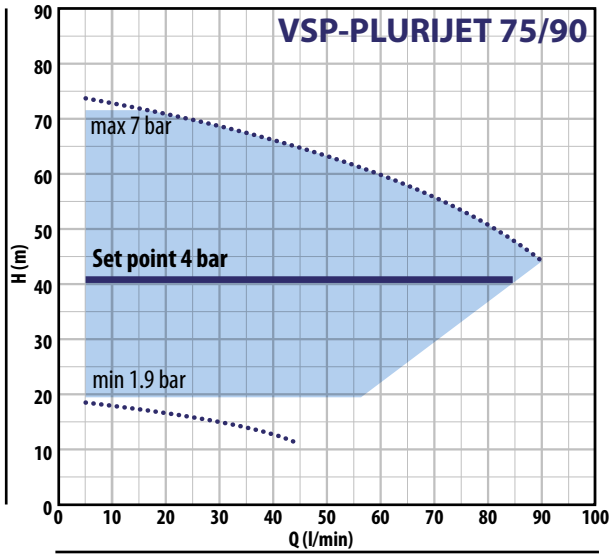
▲ Classe di rendimento del motore trifase (IEC 60034-30-1)

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =



VSP-PLURIJET

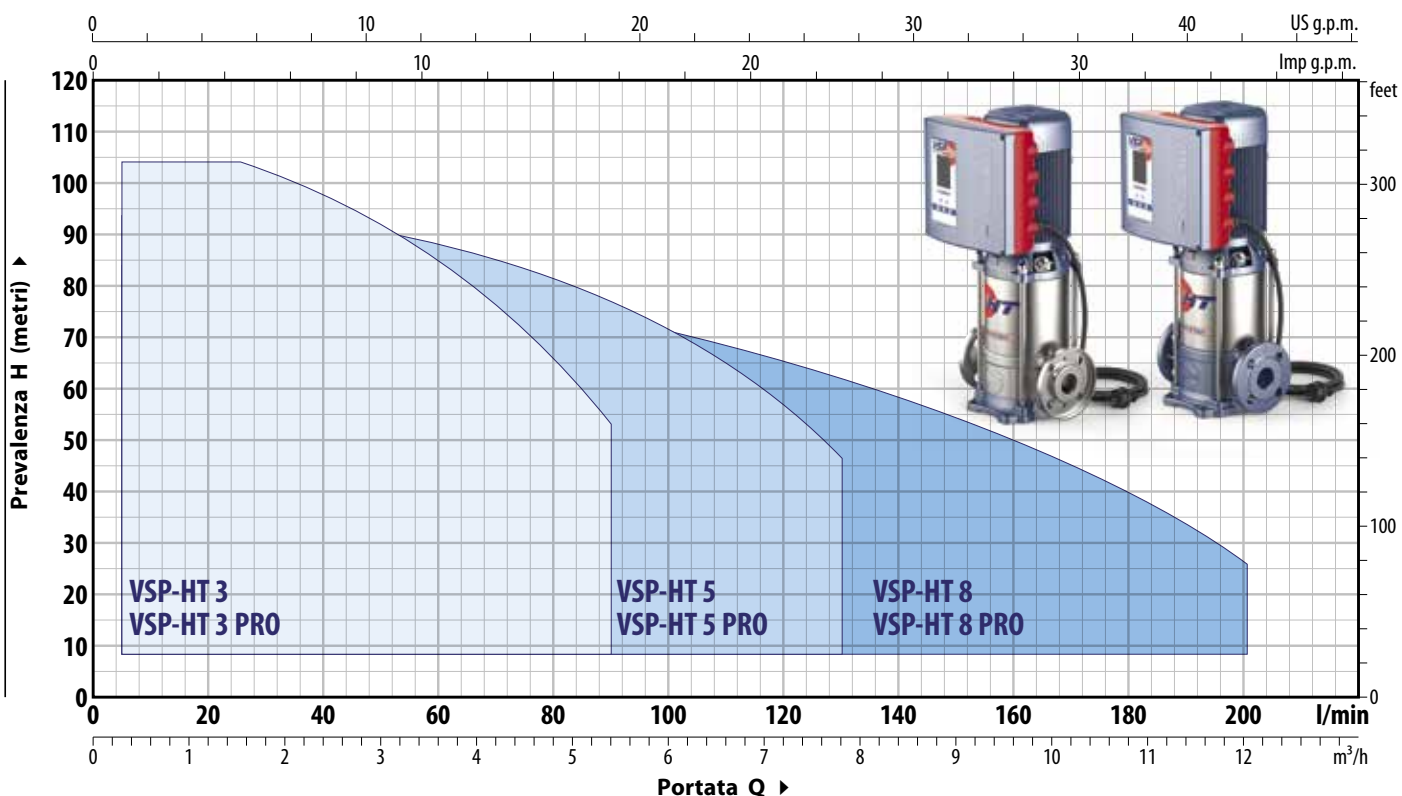
CURVE DI PRESTAZIONE



VSP-HT / VSP-HT PRO



CAMPO DI PRESTAZIONI



TIPO		POTENZA		ASSORBIMENTI	PRESTAZIONI MAX		PRESTAZIONI (SET POINT REGOLABILE)						
		P2 kW	HP ▲		230 V	Q litri/min	H metri	Set Point Min		Set Point Taratura Std		Set Point Max	
MONOFASE							bar	l/min	bar	l/min	bar	l/min	
VSPm-HT 3/4	VSPm-HT 3/4 - PRO	0.75	1	IE3	7.3 A	5 - 90	63 - 33	1.6	5 - 59	4.00	5 - 73	5.9	5 - 19
VSPm-HT 3/5	VSPm-HT 3/5 - PRO	1.1	1.5		8.5 A	5 - 90	79 - 38	2.0	5 - 62	4.00	5 - 86	7.4	5 - 22
VSPm-HT 3/6	VSPm-HT 3/6 - PRO	1.5	2		9.6 A	5 - 90	94 - 45.5	2.4	5 - 62	4.00	5 - 84	8.8	5 - 20
VSPm-HT 5/2	VSPm-HT 5/2 - PRO	0.75	1		6.8 A	5 - 130	33 - 18	0.8	5 - 83	2.00	5 - 114	3.1	5 - 22
VSPm-HT 5/3	VSPm-HT 5/3 - PRO	1.1	1.5		7.8 A	5 - 130	49 - 24	1.3	5 - 91	4.00	5 - 71	4.8	5 - 14
VSPm-HT 5/4	VSPm-HT 5/4 - PRO	1.5	2		9.6 A	5 - 130	65 - 32	1.7	5 - 90	4.00	5 - 108	6.1	5 - 26
VSPm-HT 8/3	VSPm-HT 8/3 - PRO	1.1	1.5		8.2 A	20 - 200	43 - 13	1.1	5 - 182	4.00	5 - 58	4.1	5 - 28
VSPm-HT 8/4	VSPm-HT 8/4 - PRO	1.5	2		9.8 A	20 - 200	58 - 18	1.5	5 - 180	4.00	5 - 128	5.4	5 - 48

TIPO		POTENZA		ASSORBIMENTI	PRESTAZIONI MAX		PRESTAZIONI (SET POINT REGOLABILE)						
		P2 kW	HP ▲		400 V	Q litri/min	H metri	Set Point Min		Set Point Taratura Std		Set Point Max	
TRIFASE							bar	l/min	bar	l/min	bar	l/min	
VSP-HT 3/4	VSP-HT 3/4 - PRO	0.75	1	IE3	4.2 A	5 - 90	63 - 33	1.6	5 - 59	4.00	5 - 73	5.9	5 - 19
VSP-HT 3/5	VSP-HT 3/5 - PRO	1.1	1.5		4.9 A	5 - 90	79 - 38	2.0	5 - 62	4.00	5 - 86	7.4	5 - 22
VSP-HT 3/6	VSP-HT 3/6 - PRO	1.5	2		5.6 A	5 - 90	94 - 45.5	2.4	5 - 62	4.00	5 - 84	8.8	5 - 20
VSP-HT 3/7	VSP-HT 3/7 - PRO	1.8	2.5		6.7 A	5 - 90	110 - 53	2.8	5 - 62	4.00	5 - 76	10.2	5 - 25
VSP-HT 5/2	VSP-HT 5/2 - PRO	0.75	1		3.9 A	5 - 130	33 - 18	0.8	5 - 83	2.00	5 - 114	3.1	5 - 22
VSP-HT 5/3	VSP-HT 5/3 - PRO	1.1	1.5		4.5 A	5 - 130	49 - 24	1.3	5 - 91	4.00	5 - 71	4.8	5 - 14
VSP-HT 5/4	VSP-HT 5/4 - PRO	1.5	2		5.6 A	5 - 130	65 - 32	1.7	5 - 90	4.00	5 - 108	6.1	5 - 26
VSP-HT 5/5	VSP-HT 5/5 - PRO	1.8	2.5		7.0 A	5 - 130	81 - 39	2.1	5 - 91	4.00	5 - 128	7.5	5 - 42
VSP-HT 5/6	VSP-HT 5/6 - PRO	2.2	3		7.3 A	5 - 130	97 - 47	2.6	5 - 92	4.00	5 - 118	9.3	5 - 25
VSP-HT 8/3	VSP-HT 8/3 - PRO	1.1	1.5		4.7 A	20 - 200	43 - 13	1.1	5 - 182	4.00	5 - 58	4.1	5 - 28
VSP-HT 8/4	VSP-HT 8/4 - PRO	1.5	2		5.9 A	20 - 200	58 - 18	1.5	5 - 180	4.00	5 - 128	5.4	5 - 48
VSP-HT 8/5	VSP-HT 8/5 - PRO	1.8	2.5		7.0 A	20 - 200	71.5 - 21.5	1.8	5 - 181	4.00	5 - 156	6.7	5 - 44
VSP-HT 8/6	VSP-HT 8/6 - PRO	2.2	3		7.7 A	20 - 200	85.5 - 26	2.3	5 - 186	4.00	5 - 179	8.2	5 - 32

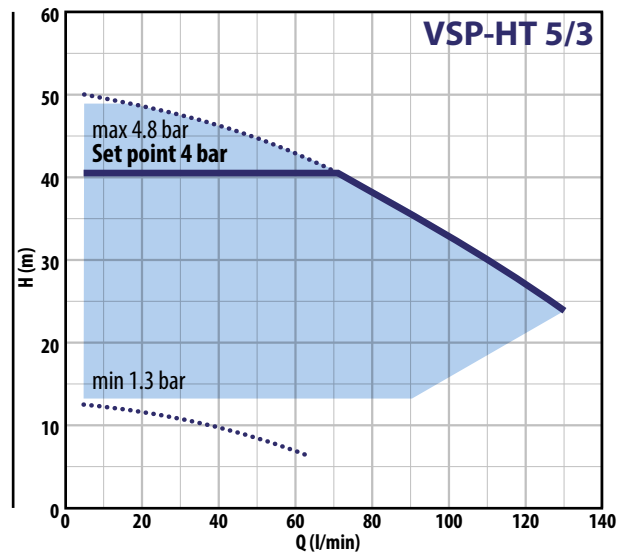
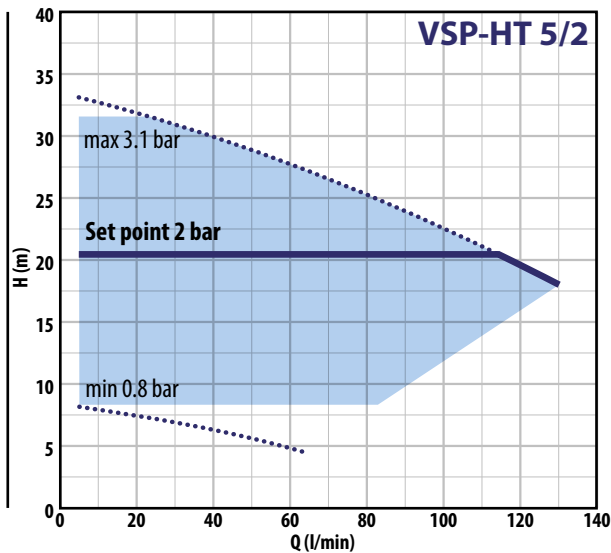
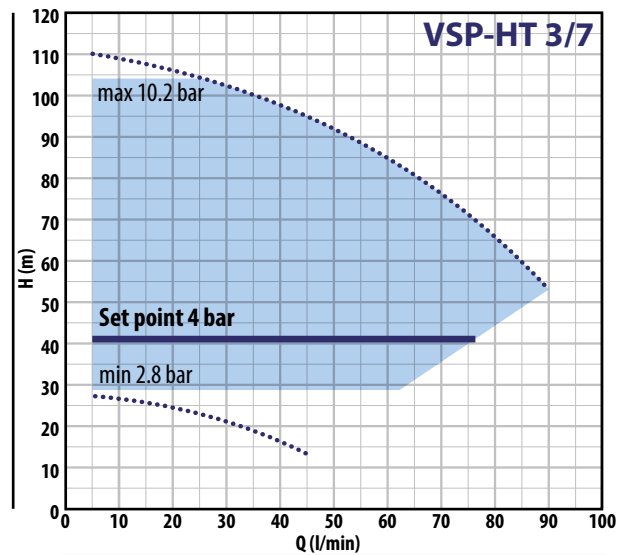
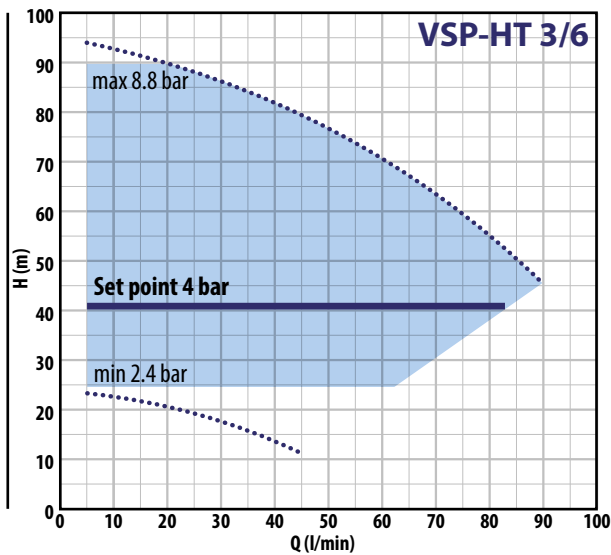
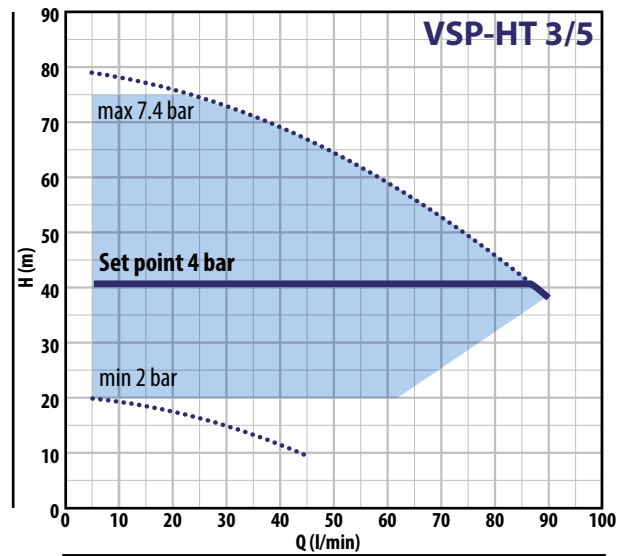
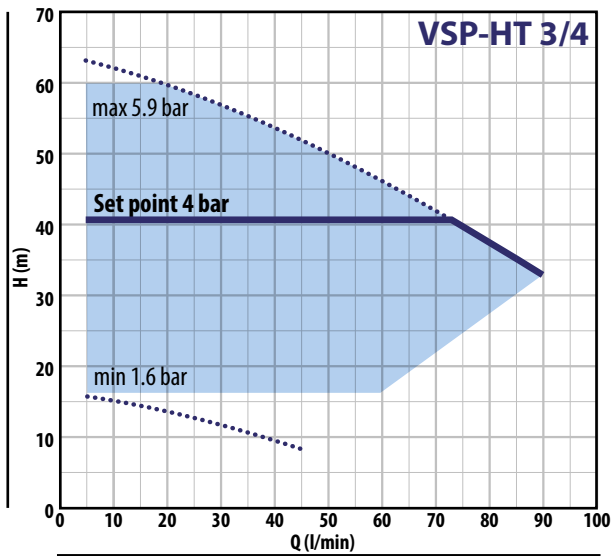
▲ Classe di rendimento del motore trifase (IEC 60034-30-1)

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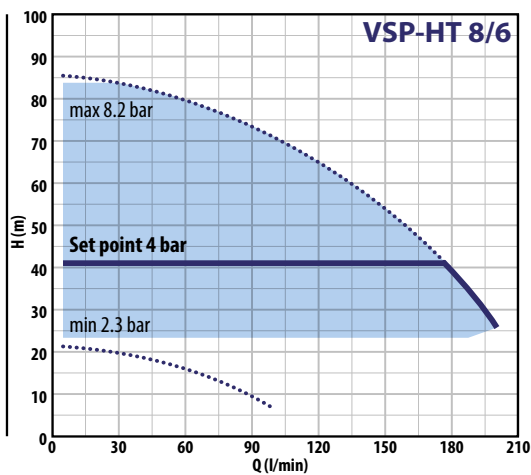
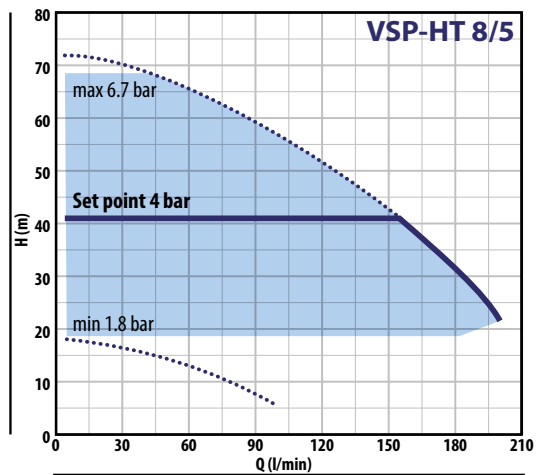
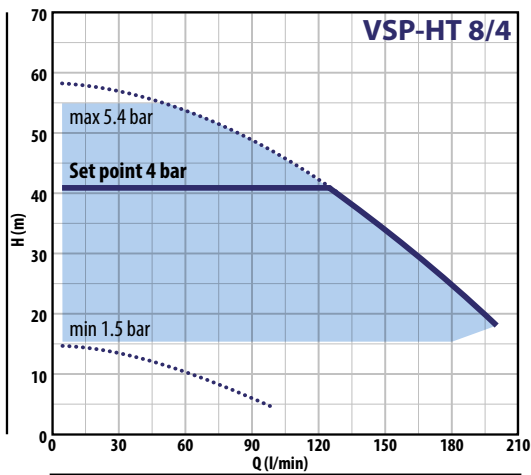
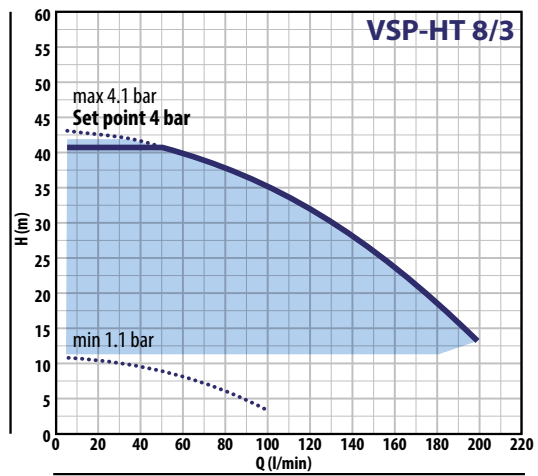
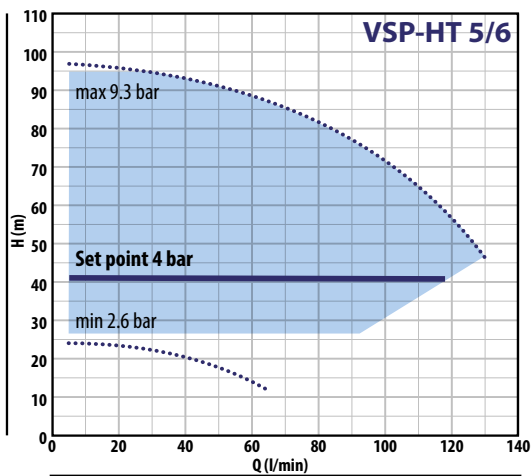
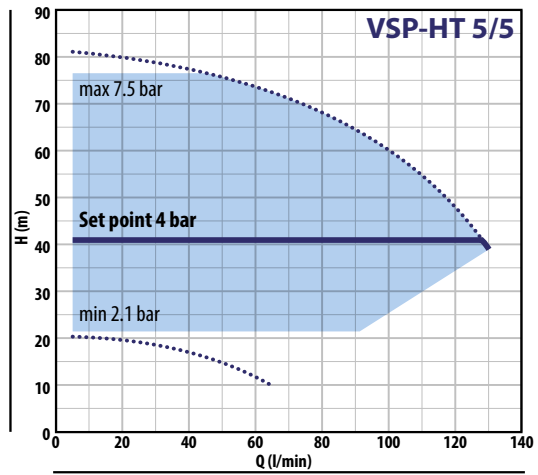
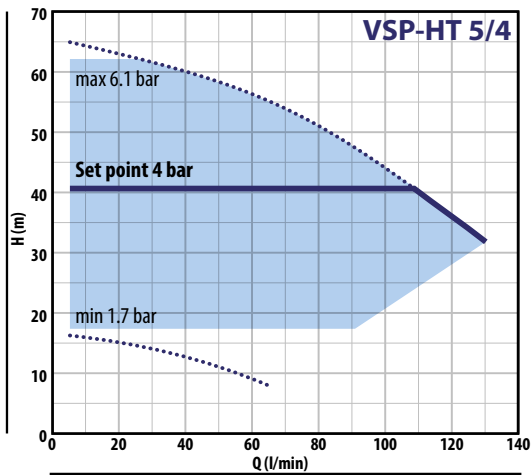
VSP-HT / VSP-HT PRO

CURVE DI PRESTAZIONE



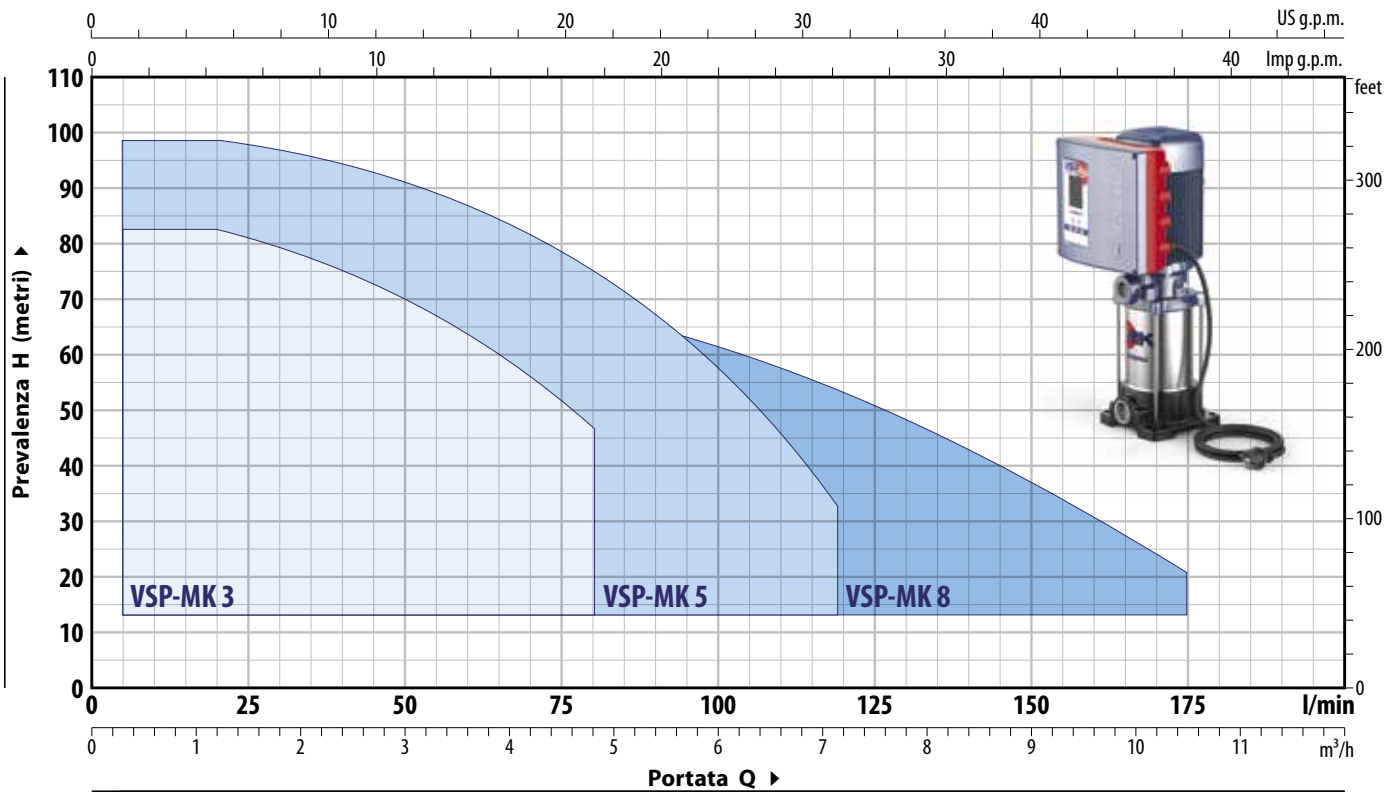
VSP-HT / VSP-HT PRO

CURVE DI PRESTAZIONE



VSP-MK

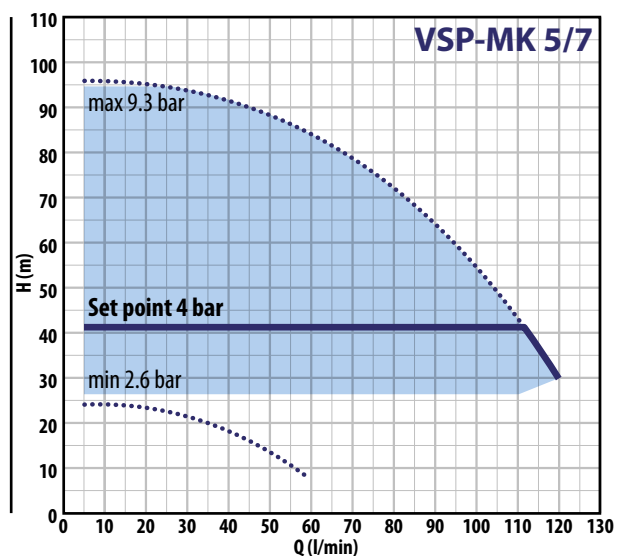
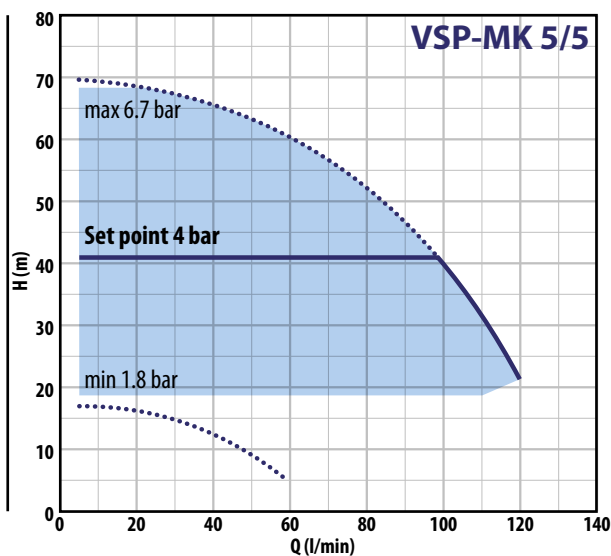
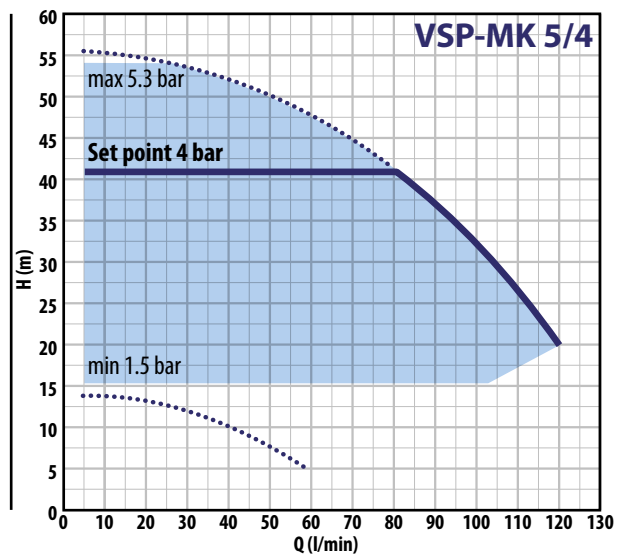
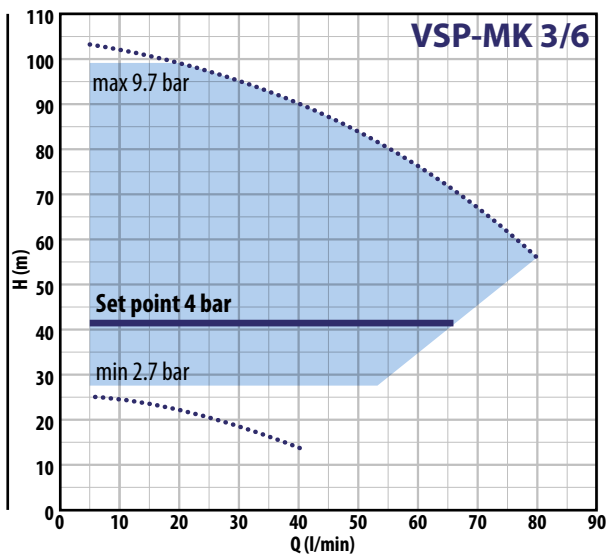
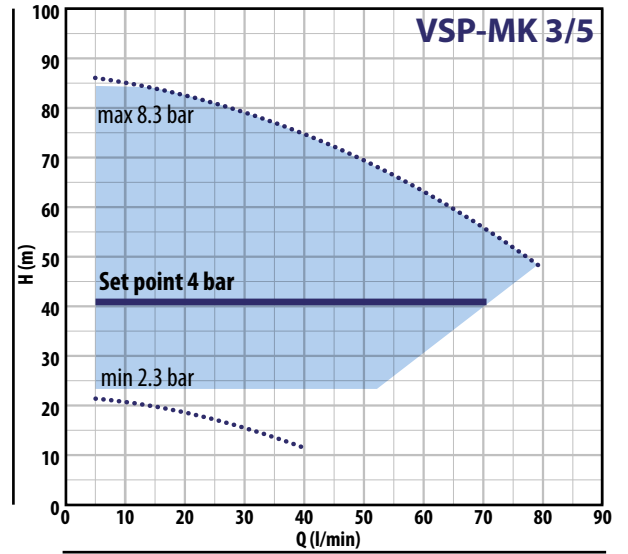
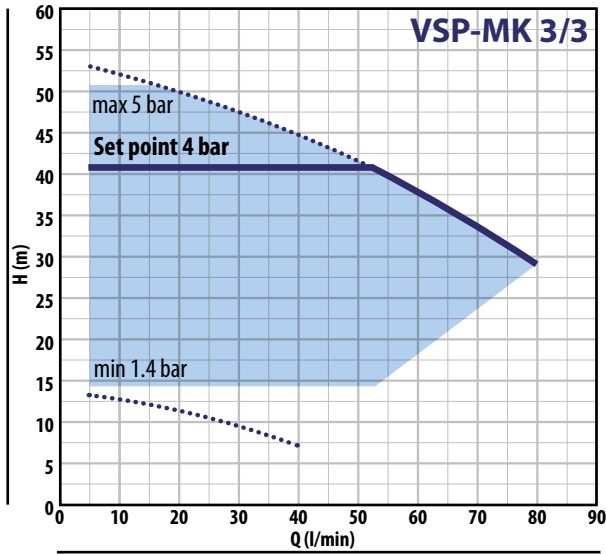
CURVE DI PRESTAZIONE



TIPO	POTENZA			ASSORBIMENTI	PRESTAZIONI MAX		PRESTAZIONI (SET POINT REGOLABILE)					
	P2		▲		230 V	Q	H	Set Point Min		Set Point Taratura Std		Set Point Max
MONOFASE	kW	HP				litri/min	metri	bar	l/min	bar	l/min	bar
VSPm-MK 3/3	0.75	1	IE3	6.0 A	10 – 80	52 – 29	1.4	5 – 52	4.00	5 – 52	5.0	5 – 14
VSPm-MK 3/5	1.1	1.5		7.3 A	10 – 80	85 – 48	2.3	5 – 52	4.00	5 – 72	8.3	5 – 13
VSPm-MK 3/6	1.5	2		8.5 A	10 – 80	101 – 56	2.7	5 – 53	4.00	5 – 65	9.7	5 – 19
VSPm-MK 5/4	0.75	1		6.0 A	20 – 120	55 – 20	1.5	5 – 101	4.00	5 – 82	5.3	5 – 26
VSPm-MK 5/5	1.1	1.5		6.6 A	20 – 120	69 – 21.5	1.8	5 – 108	4.00	5 – 99	6.7	5 – 13
VSPm-MK 5/7	1.5	2		8.5 A	20 – 120	95 – 30	2.6	5 – 109	4.00	5 – 111	9.3	5 – 16
VSPm-MK 8/4	1.1	1.5		7.3 A	40 – 180	53 – 12	1.4	5 – 175	4.00	5 – 115	5.2	5 – 30
VSPm-MK 8/5	1.5	2		8.5 A	40 – 180	68 – 15.5	1.8	5 – 175	4.00	5 – 138	6.6	5 – 45

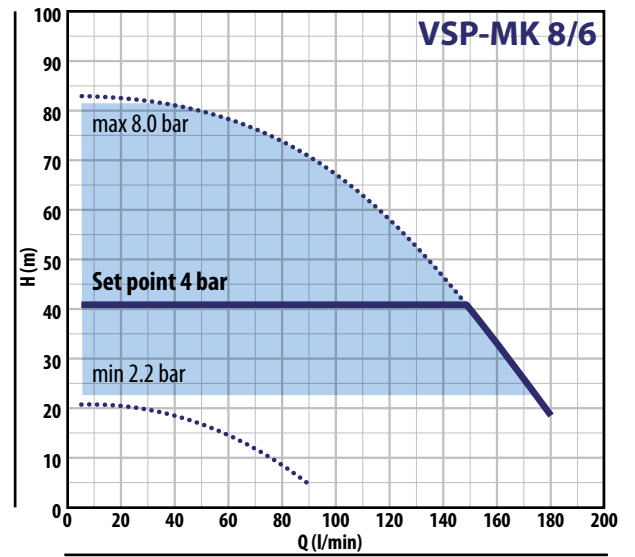
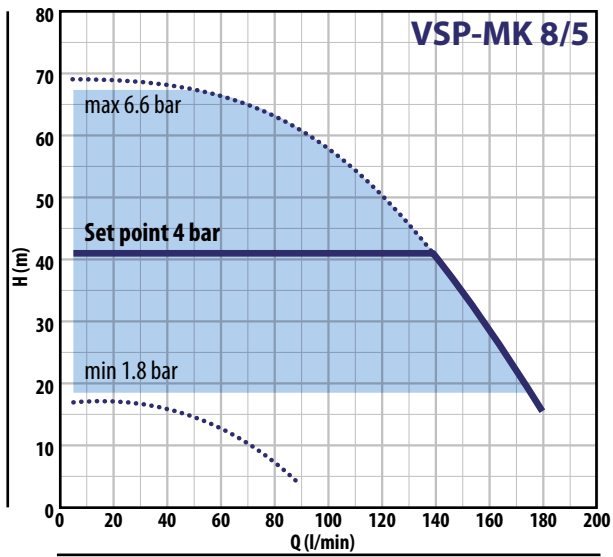
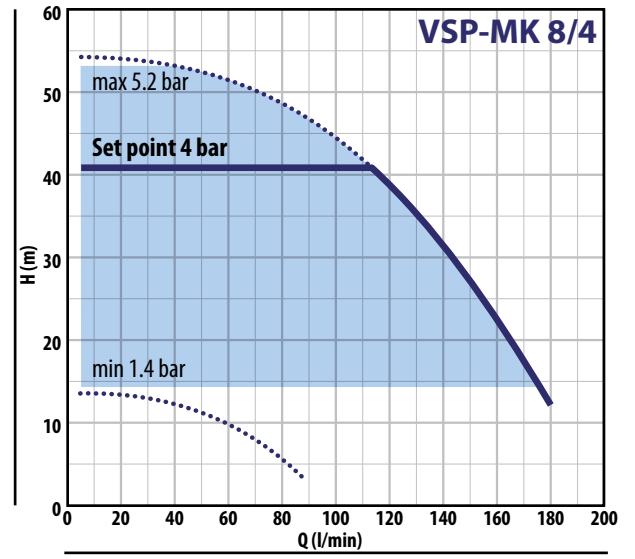
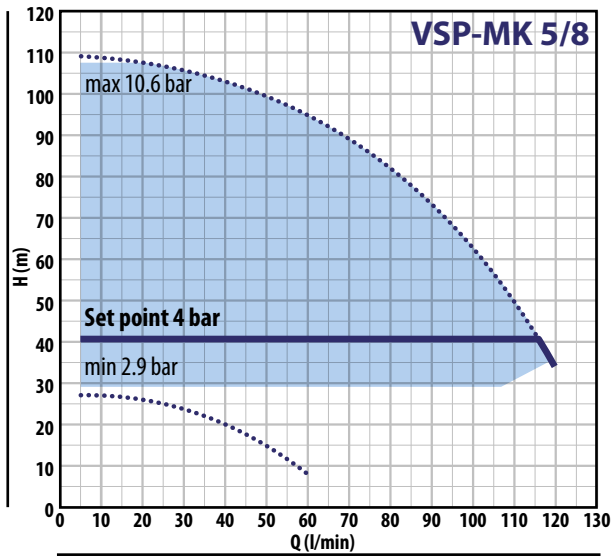
TIPO	POTENZA			ASSORBIMENTI	PRESTAZIONI MAX		PRESTAZIONI (SET POINT REGOLABILE)					
	P2		▲		400 V	Q	H	Set Point Min		Set Point Taratura Std		Set Point Max
TRIFASE	kW	HP				litri/min	metri	bar	l/min	bar	l/min	bar
VSP-MK 3/3	0.75	1	IE3	3.5 A	10 – 80	52 – 29	1.4	5 – 52	4.00	5 – 52	5.0	5 – 14
VSP-MK 3/5	1.1	1.5		4.2 A	10 – 80	85 – 48	2.3	5 – 52	4.00	5 – 72	8.3	5 – 13
VSP-MK 3/6	1.5	2		4.9 A	10 – 80	101 – 56	2.7	5 – 53	4.00	5 – 65	9.7	5 – 19
VSP-MK 5/4	0.75	1		3.5 A	20 – 120	55 – 20	1.5	5 – 101	4.00	5 – 82	5.3	5 – 26
VSP-MK 5/5	1.1	1.5		3.8 A	20 – 120	69 – 21.5	1.8	5 – 108	4.00	5 – 99	6.7	5 – 13
VSP-MK 5/7	1.5	2		4.9 A	20 – 120	95 – 30	2.6	5 – 109	4.00	5 – 111	9.3	5 – 16
VSP-MK 5/8	2.2	3		6.0 A	20 – 120	108 – 34	2.9	5 – 109	4.00	5 – 115	10.6	5 – 14
VSP-MK 8/4	1.1	1.5		4.2 A	40 – 180	53 – 12	1.4	5 – 175	4.00	5 – 115	5.2	5 – 30
VSP-MK 8/5	1.5	2	4.9 A	40 – 180	68 – 15.5	1.8	5 – 175	4.00	5 – 138	6.6	5 – 45	
VSP-MK 8/6	2.2	3	6.3 A	40 – 180	81 – 18.5	2.2	5 – 175	4.00	5 – 149	8.0	5 – 22	

▲ Classe di rendimento del motore trifase (IEC 60034-30-1)



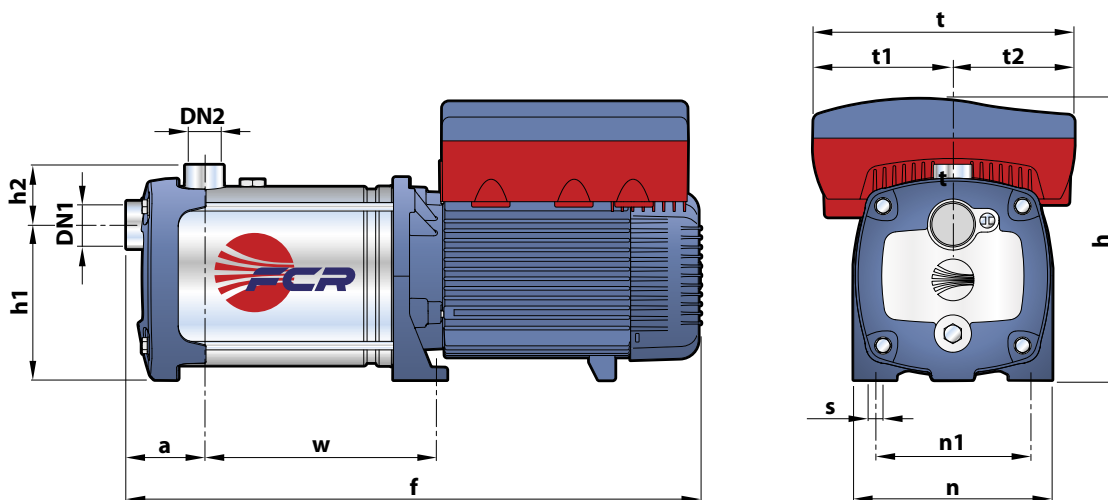
VSP-MK

CURVE DI PRESTAZIONE

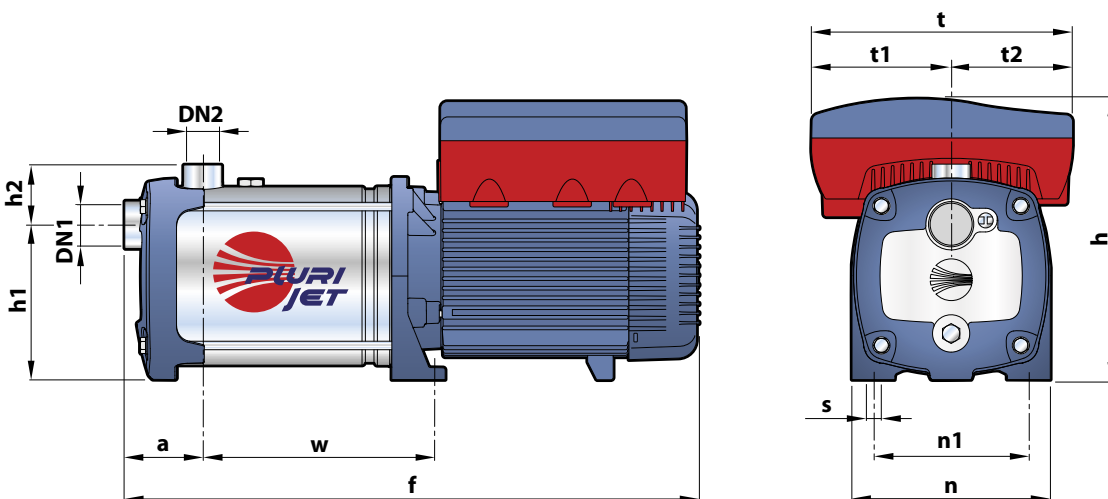


VSP-FCR/ VSP-PLURIJET

DIMENSIONI E PESI (mm)



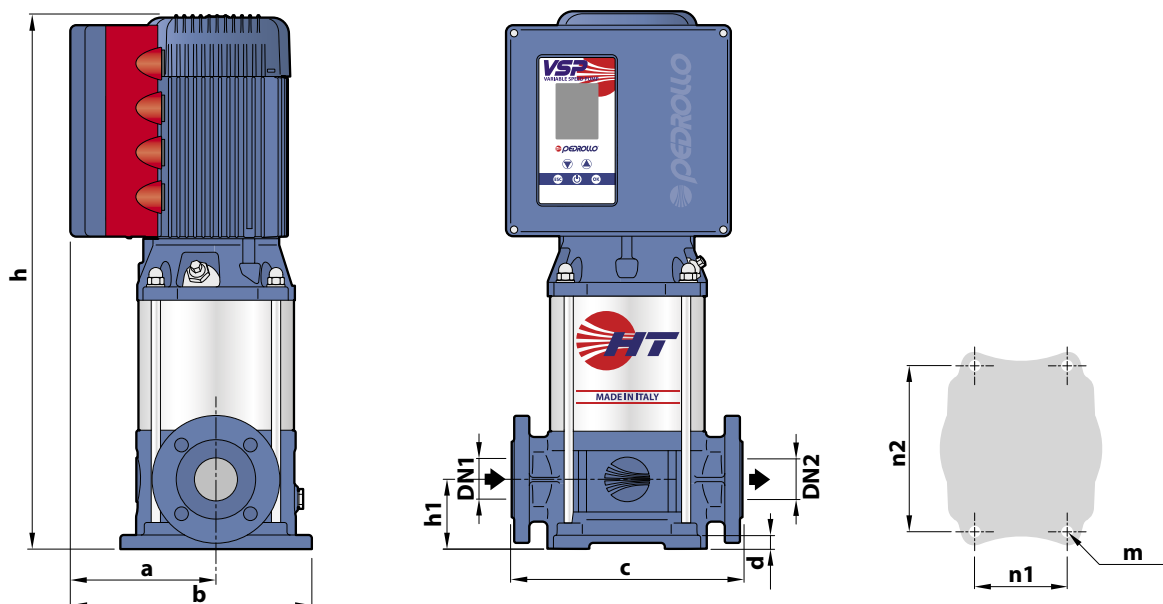
TIPO		BOCCHIE		DIMENSIONI mm												kg	
Monofase	Trifase	DN1	DN2	f	a	w	h	h1	h2	t	t1	t2	n	n1	s	1~	3~
VSPm-FCR 75/90	VSP-FCR 75/90	1 1/4"	1"	445	75	139	260	145	59	242	129	113	185	145	11	21.7	21.7
-	VSP-FCR 100/90			471		165										-	21.9
VSPm-FCR 80/130	VSP-FCR 80/130			445		139										21.9	21.9
-	VSP-FCR 105/130			471		165										-	21.9
VSPm-FCR 70/200	VSP-FCR 70/200			445		139										24.1	23.9
-	VSP-FCR 95/200			471		165										-	24.0



TIPO		BOCCHIE		DIMENSIONI mm												kg	
Monofase	Trifase	DN1	DN2	f	a	w	h	h1	h2	t	t1	t2	n	n1	s	1~	3~
VSPm-PLURIJET 75/90	VSP-PLURIJET 75/90	1 1/4"	1"	497	75	191	260	145	59	242	129	113	185	145	11	21.7	21.7
-	VSP-PLURIJET 100/90			523		217										-	23.9
VSPm-PLURIJET 80/130	VSP-PLURIJET 80/130			497		191										21.9	21.9
-	VSP-PLURIJET 105/130			523		217										-	24.1
VSPm-PLURIJET 70/200	VSP-PLURIJET 70/200			497		191										21.9	21.9
-	VSP-PLURIJET 95/200			523		217										-	24.0

VSP-HT

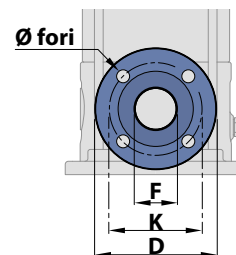
DIMENSIONI E PESI (mm)



TIPO		BOCCHIE		DIMENSIONI mm									kg					
Monofase	Trifase	DN1	DN2	a	b	c	d	h	h1	n1	n2	m	1~	3~				
VSPm-HT 3/4	VSP-HT 3/4	1"	1"					509	75				37.3	36.8				
VSPm-HT 3/5	VSP-HT 3/5							535							37.5	37.0		
VSPm-HT 3/6	VSP-HT 3/6							561									38.2	39.1
-	VSP-HT 3/7							607										
VSPm-HT 5/2	VSP-HT 5/2	1¼"	1¼"	164	269	250	15	457	100	180	Ø 13	36.3	36.3					
VSPm-HT 5/3	VSP-HT 5/3							483						36.5	36.5			
VSPm-HT 5/4	VSP-HT 5/4							509								38.4	38.5	
-	VSP-HT 5/5							555						-	42.1			
-	VSP-HT 5/6	581	-	43.2														
VSPm-HT 8/3	VSP-HT 8/3	1½"	1½"			280		488	80				37.9	37.9				
VSPm-HT 8/4	VSP-HT 8/4							514							39.8	39.9		
-	VSP-HT 8/5							560									-	43.4
-	VSP-HT 8/6							586							-	44.2		

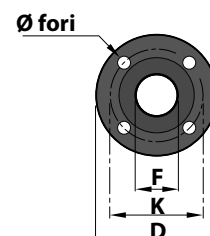
FLANGE

TIPO	DN FLANGE mm	F mm	D mm	K mm	FORI	
					N°	Ø mm
VSP-HT 3	25	1"	115	85	4	14
VSP-HT 5	32	1¼"	140	100		18
VSP-HT 8	40	1½"	150	110		18



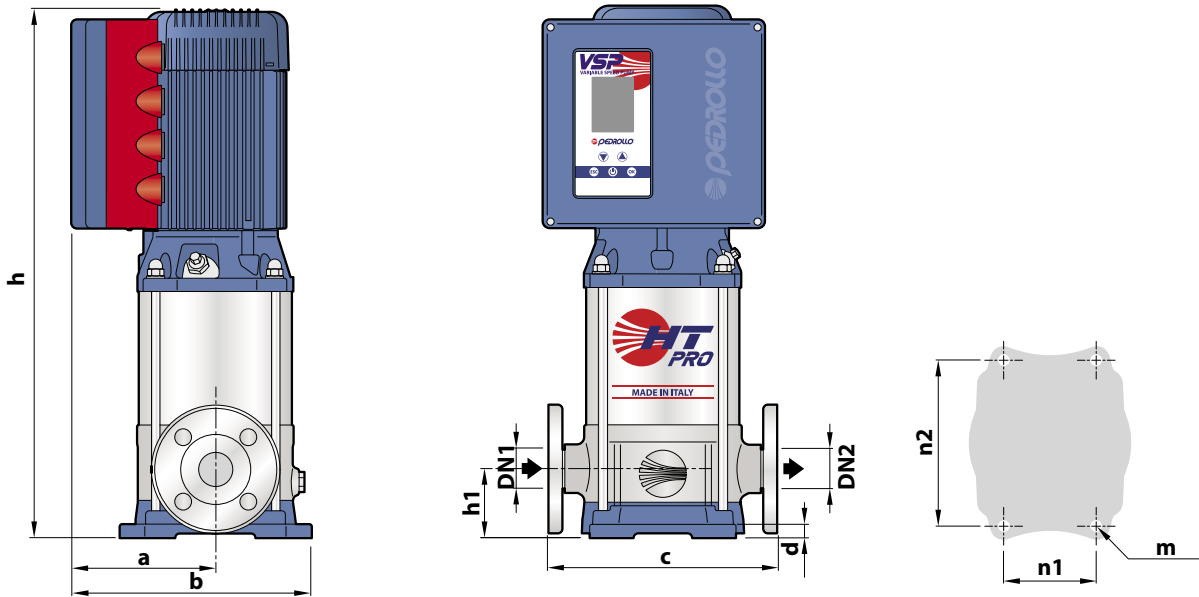
CONTROFLANGE

TIPO	DN FLANGE mm	F mm	D mm	K mm	FORI	
					N°	Ø mm
VSP-HT 3	25	1"	115	85	4	14
VSP-HT 5	32	1¼"	140	100		18
VSP-HT 8	40	1½"	150	110		18



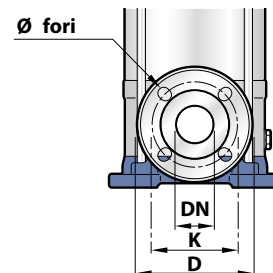
VSP-HT PRO

DIMENSIONI E PESI (mm)



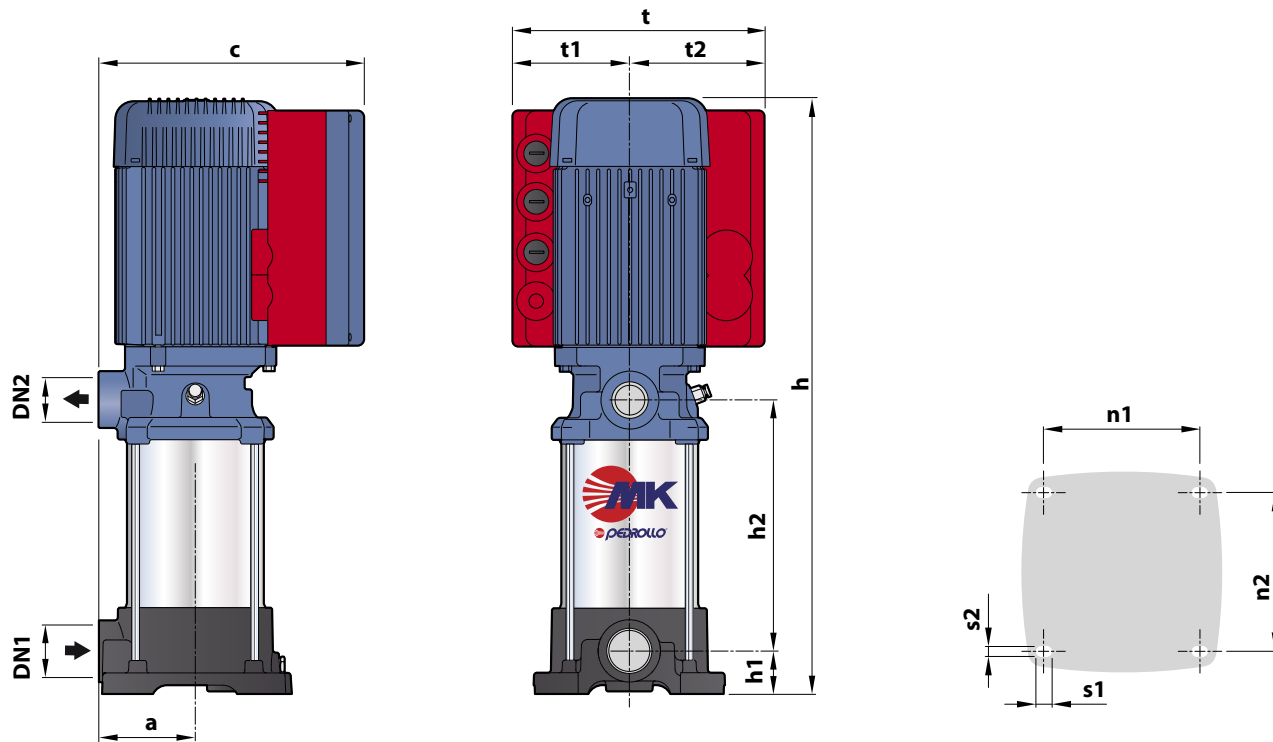
TIPO		BOCCHIE		DIMENSIONI mm									kg			
Monofase	Trifase	DN1	DN2	a	b	c	d	h	h1	n1	n2	m	1~	3~		
VSPm-HT 3/4 PRO	VSP-HT 3/4 PRO	1"	1"					509	75				35.3	34.8		
VSPm-HT 3/5 PRO	VSP-HT 3/5 PRO							535							35.5	35.0
VSPm-HT 3/6 PRO	VSP-HT 3/6 PRO							561							36.2	37.1
-	VSP-HT 3/7 PRO							607							-	41.2
VSPm-HT 5/2 PRO	VSP-HT 5/2 PRO	1 1/4"	1 1/4"	164	269	212	15	457	80	100	180	Ø 13	33.2	33.2		
VSPm-HT 5/3 PRO	VSP-HT 5/3 PRO							483							33.4	33.4
VSPm-HT 5/4 PRO	VSP-HT 5/4 PRO							509							35.3	35.4
-	VSP-HT 5/5 PRO							555							-	39.1
-	VSP-HT 5/6 PRO	581	-	40.1												
VSPm-HT 8/3 PRO	VSP-HT 8/3 PRO	1 1/2"	1 1/2"			240		488	80				33.9	33.9		
VSPm-HT 8/4 PRO	VSP-HT 8/4 PRO							514							35.8	35.9
-	VSP-HT 8/5 PRO							560							-	39.4
-	VSP-HT 8/6 PRO							586							-	40.2

TIPO	DN FLANGE mm	D mm	K mm	FORI	
				N°	Ø mm
VSP-HT 3 - PRO	25	115	85	4	14
VSP-HT 5 - PRO	32	140	100		18
VSP-HT 8 - PRO	40	150	110		



VSP-MK

DIMENSIONI E PESI (mm)



TIPO		BOCCHIE		N° STADI	DIMENSIONI mm												kg	
Monofase	Trifase	DN1	DN2		a	c	h	h1	h2	t	t1	t2	n1	n2	s1	s2	1~	3~
VSPm-MK 3/3	VSP-MK 3/3	1¼"	1"	3	93	255	41	447	132	242	113	129	143	146	14.5	10	23.3	23.3
VSPm-MK 3/5	VSP-MK 3/5			5				501	186								25.5	25.5
VSPm-MK 3/6	VSP-MK 3/6			6				528	213								27.3	27.3
VSPm-MK 5/4	VSP-MK 5/4			4				474	159								23.8	23.8
VSPm-MK 5/5	VSP-MK 5/5			5				501	186								25.2	25.2
VSPm-MK 5/7	VSP-MK 5/7			7				555	240								28.3	28.3
-	VSP-MK 5/8			8				602	267								-	28.6
VSPm-MK 8/4	VSP-MK 8/4			4				474	159								26.6	26.6
VSPm-MK 8/5	VSP-MK 8/5			5				501	186								27.0	27.0
-	VSP-MK 8/6			6				548	213								-	29.4

I dati contenuti nella presente pubblicazione non devono essere considerati impegnativi.

La Pedrollo S.p.A. si riserva la facoltà di apportare le modifiche che riterrà più opportune ai fini del miglioramento della propria produzione.

Pedrollo S.p.A.

Via Enrico Fermi, 7 - 37047 San Bonifacio (Verona) Italy

tel. +39 045 6136311 - fax +39 045 7614663

vendite@pedrollo.com - sales@pedrollo.com - www.pedrollo.com

MADE IN ITALY

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