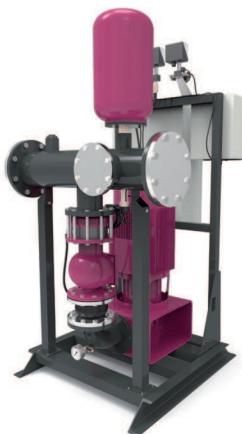


GRUPPI ANTINCENDIO
FIRE FIGHTING UNITS

VERTICAL TURBINE VTS

EN 12845
UNI 10779



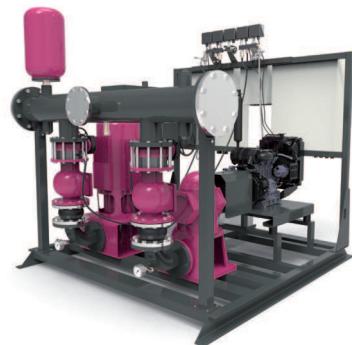
IDROFIRE VTS P1E



IDROFIRE VTS P2E



IDROFIRE VTS P1M



IDROFIRE VTS PEM



IDROFIRE VTS P2M

VOCE DI CAPITOLATO

Gruppo di pressurizzazione antincendio, tipo IDROFOGLIA a norma EN12845 modello Hydrofire VTS con pompe principali del tipo vertical turbine e pompa pilota sommersa, composto da:

Sezione Elettropompa pilota

N.1 Elettropompa pilota sommersa per il mantenimento della pressione all'interno dell'anello antincendio con elementi in fusione di acciaio inossidabile, giranti radiali, albero pompa e giunto di trasmissione in acciaio inossidabile, accoppiata a motore elettrico sommerso asincrono trifase con rotore in corte circuito, flangiatura Nema, 2 poli, grado di protezione IP 68, classe di isolamento B.

La pompa pilota è corredata in mandata di una valvola di ritegno, una valvola a sfera, un vaso di espansione 20 litri PN16, e raccordi per il collegamento al quadro di comando. La pompa è comandata in automatico da un quadro in lamiera zincata con applicato un pressostato di avviamento regolabile con grado di protezione IP55, manometro e circuito di prova del pressostato.

L'elettropompa pilota è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto, così composto:

- interruttore blocco porta fusibilità;
- contattore e relè termico
- selettore Manuale – 0 – Automatico a chiave
- lampada di avviamento
- lampada di blocco
- lampada di presenza rete
- trasformatore 400/24/12V per circuito ausiliario;
- fusibili per circuito ausiliario
- morsettiera e pressacavi
- alimentazione 400 (3F) 50 Hz

Sezione Elettropompa di servizio (o di riserva)

N.1 Elettropompa di servizio del tipo vertical turbine, con pompa verticale immersa comprensiva di valvola di fondo con filtro in aspirazione, linea d'asse con lunghezza standard di 3 mt per il collegamento del corpo pompa al gruppo di comando che consente la trasmissione del moto alle giranti, gruppo di comando per accoppiamento al motore elettrico mediante giunto elastico e motore elettrico normalizzato UNEL-IEC, del tipo verticale in forma costruttiva V1.

L'elettropompa principale è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 ad avviamento diretto (fino a 11 kW) ed avviamento stella-triangolo (da 15 kW) così composto:

- interruttore blocco porta;
- scheda elettronica di gestione programmabile con spie e led di segnalazione;
- prova settimanale integrata
- presa interbloccata di servizio monofase 16 A
- selettore Manuale – 0 – Automatico a chiave
- pulsanti di marcia e arresto;
- relè mancanza fase e sequenza fase
- batteria a tampone con carica batteria
- trasformatore 400/24/12V per circuiti ausiliari;
- fusibili per circuito ausiliario
- fusibili generali
- n.3 contattori
- temporizzatore di scambio
- amperometro;
- voltmetro con commutatore voltmetrico;
- lampeggiante con avisatore acustico
- morsettiera
- alimentazione 400 (3F+N) 50 Hz

Sezione Motopompa di servizio (o di riserva)

N.1 Motopompa di riserva del tipo vertical turbine, con pompa verticale immersa comprensiva di valvola di fondo con filtro in aspirazione, linea d'asse con lunghezza standard di 3 mt per il collegamento del corpo pompa al gruppo di comando che consente la trasmissione del moto alle giranti, gruppo di comando con rinvio ad angolo per accoppiamento al motore Diesel mediante giunto elastico e motore Diesel raffreddato ad aria fino a 30 kW e a liquido al di sopra dei 30 kW, con cinghie multiple, completo di serbatoio a caduta per un'autonomia di 6 h e doppia batteria per l'avviamento. Il gruppo motopompa sarà completo di giunti antivibranti collegati al telaio.

La motopompa è comandata da un quadro di controllo indipendente costruito secondo norma EN12845, in lamiera verniciata con grado di protezione IP55 così composto:

- interruttore blocco porta;
- scheda elettronica programmabile di comando e gestione motopompa;
- indicazioni ed allarmi sul display
- selettore Manuale – 0 – Automatico a chiave
- n.2 carica batterie 12/24V con controllo a microprocessore completi di n.2 trasformatori 230/16V e circuiti separati per l'alimentazione
- controllo batterie sul display
- fusibili per circuito ausiliario
- contagiri analogico
- prova settimanale integrata
- magnetotermico differenziale preriscaldo
- morsettiera
- alimentazione 230 (F+N) 50 Hz

Ogni pompa principale è corredata in mandata da una curva 90° bi flangiata, giunto in gomma di compensazione, un diaframma calibrato in ottone da 3/8" per il ricircolo e lo scarico dell'aria della pompa, un manometro, una valvola di non ritorno ispezionabile, un diaframma zincato con uscita da 1/2" per il collegamento al quadro di avviamento della pompa e una valvola a farfalla d'intercettazione. Le pompe sono comandate in automatico da un pannello di controllo in lamiera zincata, collegato al diaframma mediante un tubo RILASAN 2034 15/12.5 pa12, dove si trovano 2 pressostati di avviamento regolabili con grado di protezione IP55, manometro e circuito di prova dei pressostati.

Sul collettore di mandata vi è la predisposizione per il collettore di prova, il collettore è sorretto da 2 gambe collegate al telaio principale, per garantire la stabilità e la continuità del servizio anche se si interviene su di una pompa.

Quadri, pompe e motori sono installati su un telaio realizzato in acciaio zincato.

ACCESSORI A CORREDO:

- Kit Flussimetro adeguatamente dimensionato, compostoda:
 - Flussimetro a lettura rinviate
 - Collettore in acciaio zincato
 - Valvola di intercettazione
- Quadro allarme acustico-luminoso di remozione allarme
- Kit ricambi per motore Diesel (in accordo con la normativa EN12845)
- Kit scambiatore di calore per motore Diesel.

PROJECT DESCRIPTION

Fire Fighting Unit IDROFOGLIA with pressurization unit according to EN12845 HYDROFIRE VTS model with main vertical turbine pumps and submersible jockey pump, composed by:

Jockey Pump Section

Nr. 1 submersible jockey pump for the maintenance of the proper water pressure into the firewater ring main, with parts made of stainless steel, radiant impellers, stainless steel shaft and shaft coupling, coupled with submersible asynchronous electrical engine with squirrel-cage armature, Nema flange, 2 poles, IP68 protection, B insulation class.

The jockey pump is equipped on delivery with one check valve, one ball valve, a 20 liters expansion tank PN16, and fittings for control panel connection. The pump is automatically controlled by a galvanized control panel with an adjustable starting pressure switch IP55 protection level, gauge and pressure switch testing circuit. The jockey electric pump is controlled by an independently control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter, composed by:

- door locking switch;
- contactor and overload relay;
- manual selector lever 0 automatic with key;
- starting signal light;
- block signal light;
- main present signal light;
- transformer 400/24/12V for auxiliary circuits;
- auxiliary circuit fuses;
- terminal board and cable glands;
- power input 400 (3F) 50 Hz;

Main (or backup) Electric Pump Section

Nr. 1 vertical turbine electric pump, with submersible vertical pump with shutdown valve with aspiration filter, standard 3 mt shaft to link the pump to the drive unit, that allow the transmission of the motion to the impellers, drive unit for coupling of the electrical engine through elastic joint and normalized UNEL-IEC vertical and V1 engine, vertical and with V1.

The main electric pump is controlled by an independent control panel manufactured according to EN 12845 norm, with painted IP55 protection level sheet metal, automatic starter (until 9,2 kW) and star delta starting (from 11 kW) composed by:

- door lock switches;
- programmable electronic management with indicator led and light;
- integrated weekly test;
- interlocked mono-phase 16A service power point;
- manual selector level 0 automatic with key
- start and stop buttons;
- phase failure and phase sequence relay;
- buffer battery with charger;
- transformer 400/24/12V for auxiliary circuits;
- auxiliary circuit fuses;
- general fuses;
- nr. 3 contactors;
- swap timer;
- ampere meter;
- voltmeter with voltmeter switch;
- flashing with buzzer;
- terminal board;
- power input 400 (3F+N) 50 Hz

Main (or backup) Diesel Motor Pump Section

Nr. 1 Backup diesel Motor vertical turbine with submersible vertical pump with shut-down valve with aspiration filter, standard 3 mt shaft to link the pump to the drive unit, that allow the transmission of the motion to the impellers, right angle drive unit for coupling diesel engine through elastic joint and diesel air cooled engine up to 30 KW and liquid cooled above the 30 KW with multiple strap belts, complete with gravity tank to guarantee 6 h autonomy and double starter battery. The diesel motor pump set shall be complete of anti-vibration joints connected to frame.

The Diesel Motor pump is controlled by an independent control panel manufactured according to EN12845 norm, with painted IP55 protection level sheet metal, composed by:

- door lock switches;
- programmable electronic management with indicator led and light;
- indications and alarms on display;
- manual selector – automatic with key;
- nr. 2 battery charges 12/24V with microprocessor control complete of nr. 2 transformers 230/16V and power supply separate circuits;
- battery control on display;
- auxiliary circuit fuses;
- analogic tachometer;
- integrated weekly test;
- preheating differential magneto thermic;
- terminal board;
- power input 230(F+N) 50 Hz

Each main pump has on its delivery a 90° biflanged curve, a flanged rubber joint, a taper pipe flanged a brass orifice plate of 3/8" air pump recycle and reject, a manometer, an inspected non return valve, a galvanized diaphragm with 1/2" output for pump started panel connection and a shut-off butterfly valve. The pumps are automatically controlled by galvanized control panel, connected to the diaphragm by RILSAN 2034 15/12.5 pa12 hose, where there are 2 adjustable starting pressure with IP55 level protection, gauge and pressure circuit test.

On the delivery manifold there is a predisposition for the "manifold test". The manifold is supported by two "legs" connected to the main frame to guarantee the service stability and continuity.

Control panels, pumps and engines are installed on a galvanized steel frame.

ACCESSORIES:

- Flow meter Kit adequately sized, composed by:
 - Postponed reading flow meter;
 - Galvanized steel manifold;
 - Shut off valve
- Control panel for alarm maintaining with remote control. Control panel for A and B alarms grouping with the possibility to connect sirens and to interface it, trough clean contacts, with the eventual supervision system;
- Diesel engine spare parts kit (in accordance with EN12845 norm)
- Water-water diesel engine exchanger.

PRESTAZIONI POMPE PUMPS PERFORMANCES

DATI TECNICI TECHNICAL DATA

PUMP MODEL	engine power						limit HHS - HHP		hydraulic performance													
	electric	diesel			jockey				Q: l/min	250	275	300	350	400	450	500	600	700	750	900		
	kW	type	kW NA	kW NB	kW		mc/h	l/min.	Q: mc/h	15	16,5	18	21	24	27	30	36	42	45	54	59,4	
6G/4A	7,5	L	6,2	6,7	0,75	32	534			50	50	50	49	48	46	44	38	29,5	24			
6G/6A	11	L	10,4	11,5	1,1	32	534			76	75	75	74	72	69	66	57	44,5	36			
6G/8A	11	L	13,6	15	1,5	32	534			101	100	100	98	96	92	88	76	59	48			
6G/10A	15	L	17	18,9	2,2	32	534			126	125	125	122	119	116	111	96	74	60			
6G/12A	18,5	L	17	18,9	2,2	32	534	H:mca		151	150	149	148	143	138	133	115	89	72			
6C/4A	11	L	10,4	11,5	0,75	42	700							55	55	54	53	50	47	45	42,5	37,5
6C/6A	15	L	13,6	15	1,5	42	700							83	82	81	80	76	70	68	64	56
6C/8A	18,5	L	17	18,9	1,5	42	700							111	109	108	106	101	94	89	85	75
6C/10A	30	L	24	26	2,2	42	700							138	137	135	133	126	117	114	107	93

PUMP MODEL	engine power						limit HHS - HHP		hydraulic performance											
	electric	diesel			jockey				Q: l/min	500	600	700	800	900	1000	1200	1400	1600	1800	
	kW	type	kW NA	kW NB	kW		mc/h	l/min.	Q: mc/h	30	36	42	48	54	60	72	84	96	108	
7L/3A	11	L	10,4	11,5	0,75	54	900			54,5	53,5	51,5	49,5	46,5	43	34,5	24,5			
7L/4A	15	L	13,6	15	1,1	54	900			73	71	69	66	62	57	46,5	32,5			
7L/5A	18,5	L	17	18,9	1,5	54	900			91	89	86	82	78	72	58	41			
7L/6A	22	L	24	26	1,5	54	900			109	107	103	99	93	86	69	49			
7L/7A	30	L	24	26	2,2	54	900			128	124	120	115	109	101	81	57			
7L/8A	30	V	33	37	2,2	54	900			146	142	137	132	124	115	93	65			
7L/9A	30	V	33	37	2,2	54	900	H:mca		164	160	154	148	140	129	104	73			
7C/2A	11	L	10,4	11,5	0,75	75	1250					39	38,5	37,5	36,5	34,5	31	26,5	21	
7C/3A	18,5	L	17	18,9	0,75	75	1250					58	57	56	55	52	47	40	31,5	
7C/4A	22	L	24	26	1,1	75	1250					78	77	75	73	69	62	53	42	
7C/5A	30	V	33	37	1,5	75	1250					97	96	94	92	86	78	67	53	
7C/6A	37	V	33	37	1,5	75	1250					117	115	113	110	103	94	80	63	
7C/7A	37	V	48	53	2,2	75	1250					136	134	132	128	120	109	93	74	

PUMP MODEL	engine power						limit HHS - HHP		hydraulic performance													
	electric	diesel			jockey				Q: l/min	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
	kW	type	kW NA	kW NB	kW		mc/h	l/min.	Q: mc/h	30	36	42	48	54	60	66	72	78	84	90	96	102
8B/2A	11	L	10,4	11,5	0,75	60	1000			50	49	47,5	46	44	42	39,5	37	34	30	25,5		
8B/3A	18,5	L	17	18,9	1,1	60	1000			75	73	71	69	66	63	59	56	50	45	38		
8B/4A	22	L	24	26	1,5	60	1000			100	98	95	92	88	84	79	75	68	60	51		
8B/5A	30	V	33	37	2,2	60	1000			125	122	119	115	110	105	99	93	85	76	64		
8B/6A	37	V	33	37	2,2	60	1000	H:mca		151	147	142	138	132	126	119	110	102	90	76		
8F/2A	15	L	13,6	15	0,75	72	1200					48	47	45,5	43,5	41,5	39	36,5	34	30	26,5	
8F/3A	18,5	L	17	18,9	1,1	72	1200					72	70	68	65	62	58	54	50	45	40	
8F/4A	30	L	24	26	1,5	72	1200					96	94	91	87	83	78	73	67	60	53	
8F/5A	30	V	33	37	1,5	72	1200					120	117	113	108	104	97	91	83	75	67	
8F/6A	37	V	48	53	2,2	72	1200					144	141	136	130	124	117	109	100	90	80	

PRESTAZIONI POMPE

PUMPS PERFORMANCES

DATI TECNICI TECHNICAL DATA

PUMP MODEL	engine power					limit HHS - HHP		hydraulic performance										
	electric		diesel		jockey	Q: l/min	800	1000	1200	1400	1600	1800	2000	2200	2400	2600		
	kW	type	kW NA	kW NB	kW	mc/h	l/min.	Q: mc/h	48	60	72	84	96	108	120	132	144	156
8L/2A	15	L	13,6	15	0,75	90	1500		46	44,5	42,5	40	36,5	32,5	27,5	21,5		
8L/3A	22	L	24	26	1,1	90	1500		69	67	64	60	55	48,5	41,5	32,5		
8L/4A	30	V	33	37	1,5	90	1500		92	89	85	80	73	65	55	43		
8L/5A	37	V	33	37	1,5	90	1500		115	112	106	100	91	81	69	54		
8L/6A	45	V	48	53	2,2	90	1500		138	134	128	119	109	97	83	65		
8C/2A	18,5	L	17	18,9	0,75	111	1850							48,5	47	45	42,5	40
8C/3A	30	V	33	37	1,1	111	1850							73	71	68	64	59,5
8C/4A	37	V	48	53	1,5	111	1850							97	94	90	85	80
8C/5A	45	V	48	53	2,2	111	1850							121	118	113	107	100
8C/6A	55	V	65	73	2,2	111	1850							145	141	135	128	119
														109	98	85		

PUMP MODEL	engine power					limit HHS - HHP		hydraulic performance										
	electric		diesel		jockey	Q: l/min	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000		
	kW	type	kW NA	kW NB	kW	mc/h	l/min.	Q: mc/h	150	180	210	240	270	300	330	360	390	420
10F/1B	37	V	33	37	0,75	275	4584							37	36	34	32,5	30,5
10F/1A	45	V	48	53	0,75	275	4584							41	39,5	38	36,5	34,5
10F/2E	45	V	48	53	0,75	240	4000							55	52	48	44	39,5
10F/2CD	55	V	65	73	1,1	252	4200							64	61	57	54	49,5
10F/2BC	75	V	65	73	1,1	252	4200							71	68	65	61	57
10F/3CD	90	V	100	110	1,5	252	4200							95	91	86	80	74
10F/3B	110	V	100	110	1,5	275	4584							111	108	103	97	92
														85	77	69	59	47

PUMP MODEL	engine power					limit HHS - HHP		hydraulic performance										
	electric		diesel		jockey	Q: l/min	2400	3000	3550	4000	4500	5000	5500	6000	6500	7000		
	kW	type	kW NA	kW NB	kW	mc/h	l/min.	Q: mc/h	144	180	213	240	270	300	330	342		
12B/1B	37	V	48	53	0,75	213	3550							53	50	46	42	37
12B/1A	45	V	48	53	0,75	213	3550							58	55	51	47	42
12B/2C	75	V	65	73	1,5	213	3550							94	89	81	72	62
12B/2B	75	V	100	110	1,5	213	3550							106	100	92	84	74
12B/3C	110	V	100	110	2,2	213	3550							141	133	121	108	93
														74	74			

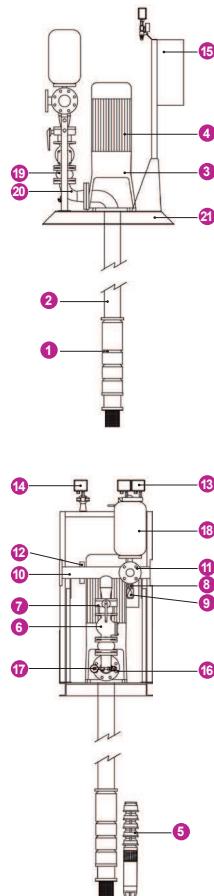
IDROFIRE VTS P1E

N.1 ELETTROPOMPA DI SERVIZIO + PILOTA
NR.1 MAIN ELECTRIC PUMP + JOCKEY PUMP



ELENCO COMPONENTI COMPONENT LIST

1. Pompa di servizio del tipo verticale
2. Linea d'asse
3. Gruppo di comando per collegamento tra pompa e motore
4. Motore elettrico
5. Elettropompa pilota sommersa
6. Valvola di ritegno a clapet
7. Valvola di intercettazione lucchettabile
8. Valvola di ritegno
9. Valvola di intercettazione a sfera con leva
10. Collettore di mandata reversibile completo di flangia cieca
11. Derivazione per collettore di prova di portata
12. Predisposizione per kit sprinkler
13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
15. Quadri elettrici di comando (uno per ogni pompa)
16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
17. Manometro 0-16 bar
18. Serbatoio Autoclave 24 lt PN16
19. Giunto di compensazione in gomma
20. Curva bi flangiata 90°
21. Telaio
1. Service vertical pump
2. Line shaft
3. Drive unit to link pump and engine
4. Electrical engine
5. Jockey submersible pump
6. Swing Check Valve ("Clapet" Valve)
7. Shut-off valve lockable
8. Check valve
9. Ball valve with level
10. Reversible delivery manifold with blind flange
11. Shunt for flow meter
12. Predisposition for sprinkler kit
13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
14. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
15. Electrical control panels (one for each pump)
16. Kit recycling diaphragm complete with visual flow indicator
17. Pressure gauge 0-16 bar
18. Diaphragm pressure vessel 24LT PN16
19. Rubber strain neutralizer
20. Biflanged 90° curve
21. Frame



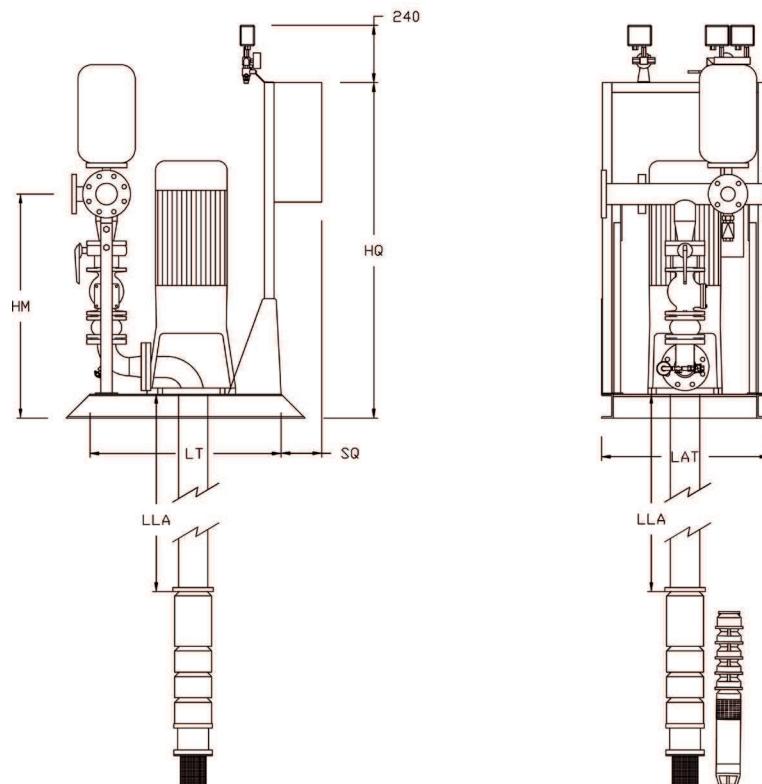
IDROFIRE VTS P1E

DATI TECNICI TECHNICAL DATA

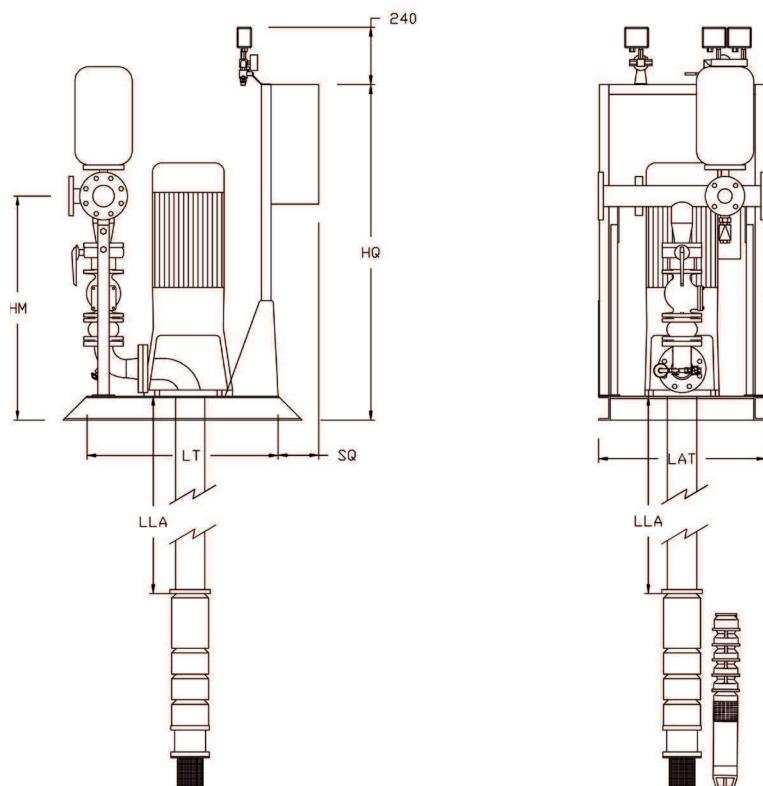
MODELLO GRUPPO	ELETTROPOMPA			ELETTROPOMPA PILOTA		LINEA D'ASSE	KIT FLUSSIMETRO
MODEL GROUP	ELECTRIC PUMP			JOCKEY PUMP		LINESHAFT	FLOW METER KIT
VTS P1E	kW	mod.	DN	mod.	kW	mod.	mod.
EN VTS P1E 6G/4A EC+S4/11	7,5	E13/38/3L/20A	80	S4/11	0,75	LA3/20	CM50 - V50
EN VTS P1E 6G/6A EC+S4/16	11	E18/42/3L/20A	80	S4/16	1,1	LA3/20	CM50 - V50
EN VTS P1E 6G/8A EC+S4/21	11	E18/42/3L/20A	80	S4/21	1,5	LA3/20	CM50 - V50
EN VTS P1E 6G/10A EC+S4/32	15	E18/42/3L/20A	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P1E 6G/12A EC+S4/32	18,5	E18/42/3L/20A	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P1E 6C/4A EC+S4/11	11	E18/42/3L/20A	80	S4/11	0,75	LA3/20	CM65 - V50
EN VTS P1E 6C/6A EC+S4/21	15	E18/42/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P1E 6C/8A EC+S4/21	18,5	E18/48/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P1E 6C/10A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V50
EN VTS P1E 7L/3A EC+S4/11	11	E18/42/3L/20A	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P1E 7L/4A EC+S4/16	15	E18/42/3L/20A	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P1E 7L/5A EC+S4/21	18,5	E18/42/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P1E 7L/6A EC+S4/21	22	E18/48/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P1E 7L/7A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1E 7L/8A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1E 7L/9A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1E 7C/2A EC+S4/11	11	E18/42/4L/20A	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P1E 7C/3A EC+S4/11	18,5	E18/42/4L/20A	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P1E 7C/4A EC+S4/16	22	E18/48/4L/20A	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P1E 7C/5A EC+S4/21	30	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1E 7C/6A EC+S4/21	37	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1E 7C/7A EC+S4/32	37	E22/55/4/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P1E 8B/2A EC+S4/11	11	E18/42/3L/20A	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P1E 8B/3A EC+S4/16	18,5	E18/42/3L/20A	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P1E 8B/4A EC+S4/21	22	E18/48/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P1E 8B/5A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1E 8B/6A EC+S4/32	37	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1E 8F/2A EC+S4/11	15	E18/42/4L/20A	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P1E 8F/3A EC+S4/16	18,5	E18/42/4L/20A	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P1E 8F/4A EC+S4/21	30	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1E 8F/5A EC+S4/21	30	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1E 8F/6A EC+S4/32	37	E20/55/4/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P1E 8L/2A EC+S4/11	15	E18/42/5/20A	125	S4/11	0,75	LA5/20	CM80 - V80
EN VTS P1E 8L/3A EC+S4/16	22	E18/48/5/20A	125	S4/16	1,1	LA5/20	CM80 - V80
EN VTS P1E 8L/4A EC+S4/21	30	E20/55/5/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P1E 8L/5A EC+S4/21	37	E20/55/5/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P1E 8L/6A EC+S4/32	45	E22/55/5/30	125	S4/32	2,2	LA5/24	CM80 - V80
EN VTS P1E 8C/2A EC+S4/11	18,5	E18/42/5/20A	125	S4/11	0,75	LA5/20	CM100 - V80
EN VTS P1E 8C/3A EC+S4/16	30	E20/55/5/24	125	S4/16	1,1	LA5/24	CM100 - V80
EN VTS P1E 8C/4A EC+S4/21	37	E22/55/5/30	125	S4/21	1,5	LA5/24	CM100 - V80
EN VTS P1E 8C/5A EC+S4/32	45	E28/60/5/30	150	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P1E 8C/6A EC+S4/32	55	E28/60/5/30	150	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P1E 10F/1B EC+S4/11	37	E20/55/6/24	150	S4/11	0,75	LA6/24	CM150 - V125
EN VTS P1E 10F/1A EC+S4/11	45	E22/55/6/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P1E 10F/2E EC+S4/11	45	E22/55/6/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P1E 10F/2CD EC+S4/16	55	E28/60/6/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P1E 10F/2BC EC+S4/16	75	E28/65A/6/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P1E 10F/3CD EC+S4/21	90	E28/65A/6/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P1E 10F/3B EC+S4/21	110	E28/65A/6/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P1E 12B/1B EC+S4/11	37	E20/55/7/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P1E 12B/1A EC+S4/11	45	E22/55/7/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P1E 12B/2C EC+S4/21	75	E28/65A/7/30	200	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P1E 12B/2B EC+S4/21	75	E28/65A/7/30	200	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P1E 12B/3C EC+S4/32	110	E28/65A/7/35	200	S4/32	2,2	LA7/30	CM125 - V125

IDROFIRE VTS P1E

DIMENSIONI DIMENSIONS



MODELLO GRUPPO	MANDATA kit valvole	PILOTA	HM	LAT	LT	LC	HQ	SQ	LLA	
MODEL GROUP	DELIVERY valves kit	collettore manifold	JOCKEY PUMP	HM	LAT	LT	LC	HQ	SQ	LLA
VTS P1E	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	
EN VTS P1E 6G/4A EC+S4/11	50	80 - F50	1¼"	997	700	800	700	1400	230	3050
EN VTS P1E 6G/6A EC+S4/16	50	80 - F50	1¼"	997	700	800	700	1400	230	3050
EN VTS P1E 6G/8A EC+S4/21	50	80 - F50	1¼"	997	700	800	700	1400	230	3050
EN VTS P1E 6G/10A EC+S4/32	50	80 - F50	1¼"	997	700	800	700	1400	230	3050
EN VTS P1E 6G/12A EC+S4/32	50	80 - F50	1¼"	997	700	800	700	1400	230	3050
EN VTS P1E 6C/4A EC+S4/11	65	80 - F50	1¼"	1050	700	800	700	1400	230	3050
EN VTS P1E 6C/6A EC+S4/21	65	80 - F50	1¼"	1050	700	800	700	1400	230	3050
EN VTS P1E 6C/8A EC+S4/21	65	80 - F50	1¼"	1050	700	900	700	1400	230	3050
EN VTS P1E 6C/10A EC+S4/32	65	80 - F50	1¼"	1031	800	900	800	1400	230	3050
EN VTS P1E 7L/3A EC+S4/11	80	100 - F65	1¼"	1047	700	800	700	1400	230	3050
EN VTS P1E 7L/4A EC+S4/16	80	100 - F65	1¼"	1047	700	800	700	1400	230	3050
EN VTS P1E 7L/5A EC+S4/21	80	100 - F65	1¼"	1047	700	800	700	1400	230	3050
EN VTS P1E 7L/6A EC+S4/21	80	100 - F65	1¼"	1047	700	900	700	1400	230	3050
EN VTS P1E 7L/7A EC+S4/32	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 7L/8A EC+S4/32	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 7L/9A EC+S4/32	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 7C/2A EC+S4/11	80	100 - F65	1¼"	1047	700	900	700	1400	230	3050
EN VTS P1E 7C/3A EC+S4/11	80	100 - F65	1¼"	1047	700	900	700	1400	230	3050
EN VTS P1E 7C/4A EC+S4/16	80	100 - F65	1¼"	1047	700	900	700	1400	230	3050
EN VTS P1E 7C/5A EC+S4/21	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 7C/6A EC+S4/21	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 7C/7A EC+S4/32	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 8B/2A EC+S4/11	80	100 - F65	1¼"	1047	700	800	700	1400	230	3050
EN VTS P1E 8B/3A EC+S4/16	80	100 - F65	1¼"	1047	700	800	700	1400	230	3050
EN VTS P1E 8B/4A EC+S4/21	80	100 - F65	1¼"	1047	700	900	700	1400	230	3050
EN VTS P1E 8B/5A EC+S4/32	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 8B/6A EC+S4/32	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050

IDROFIRE VTS P1E**DIMENSIONI DIMENSIONS**

MODELLO GRUPPO	MANDATA kit valvole	PILOTA	HM	LAT	LT	LC	HQ	SQ	LLA	
MODEL GROUP	DELIVERY valves kit	collettore manifold	JOCKEY PUMP	HM	LAT	LT	LC	HQ	SQ	LLA
VTS P1E	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	
EN VTS P1E 8F/2A EC+S4/11	80	100 - F65	1¼"	1047	700	900	700	1400	230	3050
EN VTS P1E 8F/3A EC+S4/16	80	100 - F65	1¼"	1047	700	900	700	1400	230	3050
EN VTS P1E 8F/4A EC+S4/21	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 8F/5A EC+S4/21	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 8F/6A EC+S4/32	80	100 - F65	1¼"	1047	800	1100	800	1400	230	3050
EN VTS P1E 8L/2A EC+S4/11	100	125 - F80	1¼"	1169	700	900	700	1400	230	3050
EN VTS P1E 8L/3A EC+S4/16	100	125 - F80	1¼"	1169	700	900	700	1400	230	3050
EN VTS P1E 8L/4A EC+S4/21	100	125 - F80	1¼"	1199	800	1100	800	1400	230	3050
EN VTS P1E 8L/5A EC+S4/21	100	125 - F80	1¼"	1199	800	1100	800	1400	230	3050
EN VTS P1E 8L/6A EC+S4/32	100	125 - F80	1¼"	1199	800	1100	800	1400	230	3050
EN VTS P1E 8C/2A EC+S4/11	100	125 - F80	1¼"	1169	700	900	700	1400	230	3050
EN VTS P1E 8C/3A EC+S4/16	100	125 - F80	1¼"	1199	800	1100	800	1400	230	3050
EN VTS P1E 8C/4A EC+S4/21	100	125 - F80	1¼"	1199	800	1100	800	1400	230	3050
EN VTS P1E 8C/5A EC+S4/32	100	125 - F80	1¼"	1189	1000	1300	1000	1400	230	3050
EN VTS P1E 8C/6A EC+S4/32	100	125 - F80	1¼"	1189	1000	1300	1000	1400	230	3050
EN VTS P1E 10F/1B EC+S4/11	150	200 - F125	1¼"	1464	800	1100	800	1400	230	3050
EN VTS P1E 10F/1A EC+S4/11	150	200 - F125	1¼"	1464	800	1100	800	1400	230	3050
EN VTS P1E 10F/2E EC+S4/11	150	200 - F125	1¼"	1464	800	1100	800	1400	230	3050
EN VTS P1E 10F/2CD EC+S4/16	150	200 - F125	1¼"	1454	1000	1300	1000	1400	230	3050
EN VTS P1E 10F/2BC EC+S4/16	150	200 - F125	1¼"	1454	1000	1300	1000	1400	330	3050
EN VTS P1E 10F/3CD EC+S4/21	150	200 - F125	1¼"	1454	1100	1300	1100	1400	330	3050
EN VTS P1E 10F/3B EC+S4/21	150	200 - F125	1¼"	1454	1100	1300	1100	1400	330	3050
EN VTS P1E 12B/1B EC+S4/11	150	200 - F125	1¼"	1464	800	1100	800	1400	230	3050
EN VTS P1E 12B/1A EC+S4/11	150	200 - F125	1¼"	1464	800	1100	800	1400	230	3050
EN VTS P1E 12B/2C EC+S4/21	150	200 - F125	1¼"	1454	1000	1300	1000	1400	330	3050
EN VTS P1E 12B/2B EC+S4/21	150	200 - F125	1¼"	1454	1000	1300	1000	1400	330	3050
EN VTS P1E 12B/3C EC+S4/32	150	200 - F125	1¼"	1454	1100	1300	1100	1400	330	3050

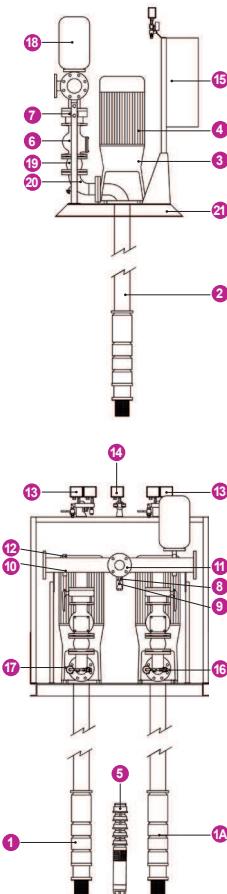
IDROFIRE VTS P2E

N.1 ELETTROPOMPA DI SERVIZIO + N.1 ELETTROPOMPA DI RISERVA + PILOTA
NR.1 MAIN ELECTRIC PUMP + NR.1 BACKUP ELECTRIC PUMP + JOCKEY PUMP



ELENCO COMPONENTI COMPONENT LIST

- 1. Pompa di servizio del tipo verticale
- 1A. Pompa di riserva del tipo verticale
- 2. Linea d'asse per pompa di servizio e pompa di riserva
- 3. Gruppo di comando per collegamento tra pompa e motore (servizio e riserva)
- 4. Motore elettrico per pompa di servizio e pompa di riserva
- 5. Elettropompa pilota sommersa
- 6. Valvola di ritegno a clapet
- 7. Valvola di intercettazione lucchettabile
- 8. Valvola di ritegno
- 9. Valvola di intercettazione a sfera con leva
- 10. Collettore di mandata reversibile completo di flangia cieca
- 11. Derivazione per collettore di prova di portata
- 12. Predisposizione per kit sprinkler
- 13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
- 14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro;
- 15. Quadri elettrici di comando (uno per ogni pompa)
- 16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
- 17. Manometro 0-16 bar
- 18. Serbatoio Autoclave 24 lt PN16
- 19. Giunto di compensazione in gomma
- 20. Curva 90° biflangiata
- 21. Telaio
- 1. Vertical service pump
- 1A. Backup vertical pump
- 2. Line shaft for service pump and backup pump
- 3. Drive unit to link pump and engine (service and backup)
- 4. Electrical engine for service pump and backup pump
- 5. Jockey submersible pump
- 6. Swing Check Valve ("Clapet" Valve)
- 7. Shut-off valve lockable
- 8. Check valve
- 9. Ball valve with level
- 10. Reversible delivery manifold with blind flange
- 11. Shunt for flow meter
- 12. Predisposition for sprinkler kit
- 13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
- 14. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
- 15. Electrical control panels (one for each pump)
- 16. Kit recycling diaphragm complete with visual flow indicator
- 17. Pressure gauge 0-16 bar
- 18. Diaphragm pressure vessel 24LT PN16
- 19. Rubber strain neutralizer
- 20. Biflanged 90° curve
- 21. Frame



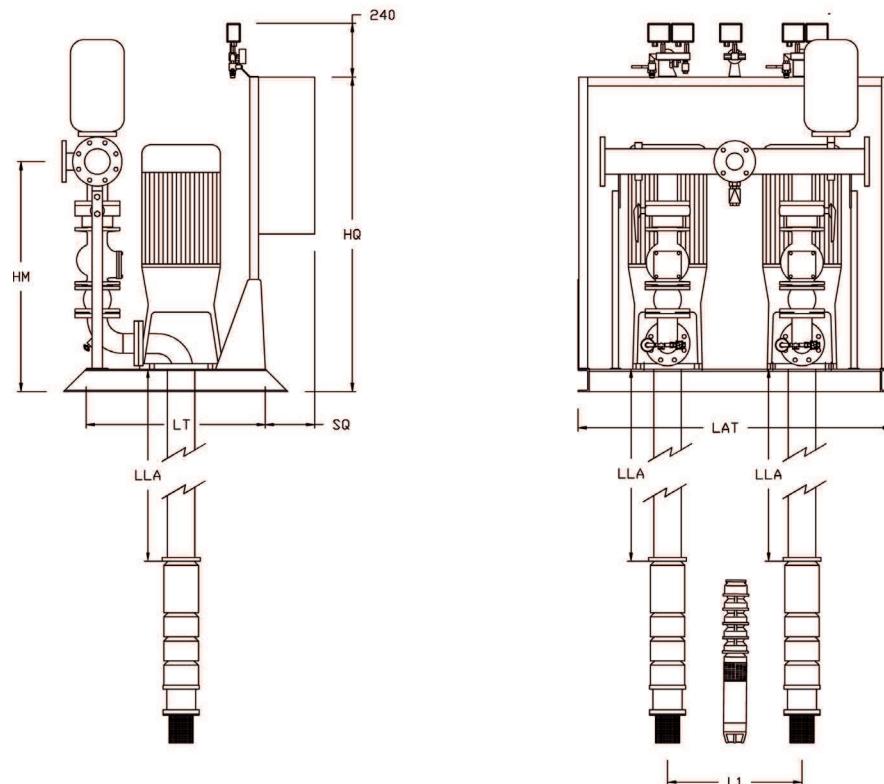
IDROFIRE VTS P2E

DATI TECNICI TECHNICAL DATA

MODELLO GRUPPO	ELETTROPOMPA			ELETTROPOMPA PILOTA		LINEA D'ASSE	KIT FLUSSIMETRO
MODEL GROUP	ELECTRIC PUMP			JOCKEY PUMP		LINESHAFT	FLOW METER KIT
VTS P2E	kW	mod.	DN	mod.	kW	mod.	mod.
EN VTS P2E 6G/4A EC+S4/11	7,5	E13/38/3L/20A	80	S4/11	0,75	LA3/20	CM50 - V50
EN VTS P2E 6G/6A EC+S4/16	11	E18/42/3L/20A	80	S4/16	1,1	LA3/20	CM50 - V50
EN VTS P2E 6G/8A EC+S4/21	11	E18/42/3L/20A	80	S4/21	1,5	LA3/20	CM50 - V50
EN VTS P2E 6G/10A EC+S4/32	15	E18/42/3L/20A	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P2E 6G/12A EC+S4/32	18,5	E18/42/3L/20A	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P2E 6C/4A EC+S4/11	11	E18/42/3L/20A	80	S4/11	0,75	LA3/20	CM65 - V50
EN VTS P2E 6C/6A EC+S4/21	15	E18/42/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P2E 6C/8A EC+S4/21	18,5	E18/48/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P2E 6C/10A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V50
EN VTS P2E 7L/3A EC+S4/11	11	E18/42/3L/20A	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P2E 7L/4A EC+S4/16	15	E18/42/3L/20A	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P2E 7L/5A EC+S4/21	18,5	E18/42/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P2E 7L/6A EC+S4/21	22	E18/48/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P2E 7L/7A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2E 7L/8A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2E 7L/9A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2E 7C/2A EC+S4/11	11	E18/42/4L/20A	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P2E 7C/3A EC+S4/11	18,5	E18/42/4L/20A	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P2E 7C/4A EC+S4/16	22	E18/48/4L/20A	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P2E 7C/5A EC+S4/21	30	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2E 7C/6A EC+S4/21	37	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2E 7C/7A EC+S4/32	37	E22/55/4/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P2E 8B/2A EC+S4/11	11	E18/42/3L/20A	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P2E 8B/3A EC+S4/16	18,5	E18/42/3L/20A	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P2E 8B/4A EC+S4/21	22	E18/48/3L/20A	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P2E 8B/5A EC+S4/32	30	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2E 8B/6A EC+S4/32	37	E20/55/3/24	100	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2E 8F/2A EC+S4/11	15	E18/42/4L/20A	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P2E 8F/3A EC+S4/16	18,5	E18/42/4L/20A	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P2E 8F/4A EC+S4/21	30	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2E 8F/5A EC+S4/21	30	E20/55/4/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2E 8F/6A EC+S4/32	37	E20/55/4/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P2E 8L/2A EC+S4/11	15	E18/42/5/20A	125	S4/11	0,75	LA5/20	CM80 - V80
EN VTS P2E 8L/3A EC+S4/16	22	E18/48/5/20A	125	S4/16	1,1	LA5/20	CM80 - V80
EN VTS P2E 8L/4A EC+S4/21	30	E20/55/5/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P2E 8L/5A EC+S4/21	37	E20/55/5/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P2E 8L/6A EC+S4/32	45	E22/55/5/30	125	S4/32	2,2	LA5/24	CM80 - V80
EN VTS P2E 8C/2A EC+S4/11	18,5	E18/42/5/20A	125	S4/11	0,75	LA5/20	CM100 - V80
EN VTS P2E 8C/3A EC+S4/16	30	E20/55/5/24	125	S4/16	1,1	LA5/24	CM100 - V80
EN VTS P2E 8C/4A EC+S4/21	37	E22/55/5/30	125	S4/21	1,5	LA5/24	CM100 - V80
EN VTS P2E 8C/5A EC+S4/32	45	E28/60/5/30	150	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P2E 8C/6A EC+S4/32	55	E28/60/5/30	150	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P2E 10F/1B EC+S4/11	37	E20/55/6/24	150	S4/11	0,75	LA6/24	CM150 - V125
EN VTS P2E 10F/1A EC+S4/11	45	E22/55/6/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P2E 10F/2E EC+S4/11	45	E22/55/6/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P2E 10F/2CD EC+S4/16	55	E28/60/6/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P2E 10F/2BC EC+S4/16	75	E28/65A/6/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P2E 10F/3CD EC+S4/21	90	E28/65A/6/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P2E 10F/3B EC+S4/21	110	E28/65A/6/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P2E 12B/1B EC+S4/11	37	E20/55/7/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P2E 12B/1A EC+S4/11	45	E22/55/7/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P2E 12B/2C EC+S4/21	75	E28/65A/7/30	200	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P2E 12B/2B EC+S4/21	75	E28/65A/7/30	200	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P2E 12B/3C EC+S4/32	110	E28/65A/7/35	200	S4/32	2,2	LA7/30	CM125 - V125

IDROFIRE VTS P2E

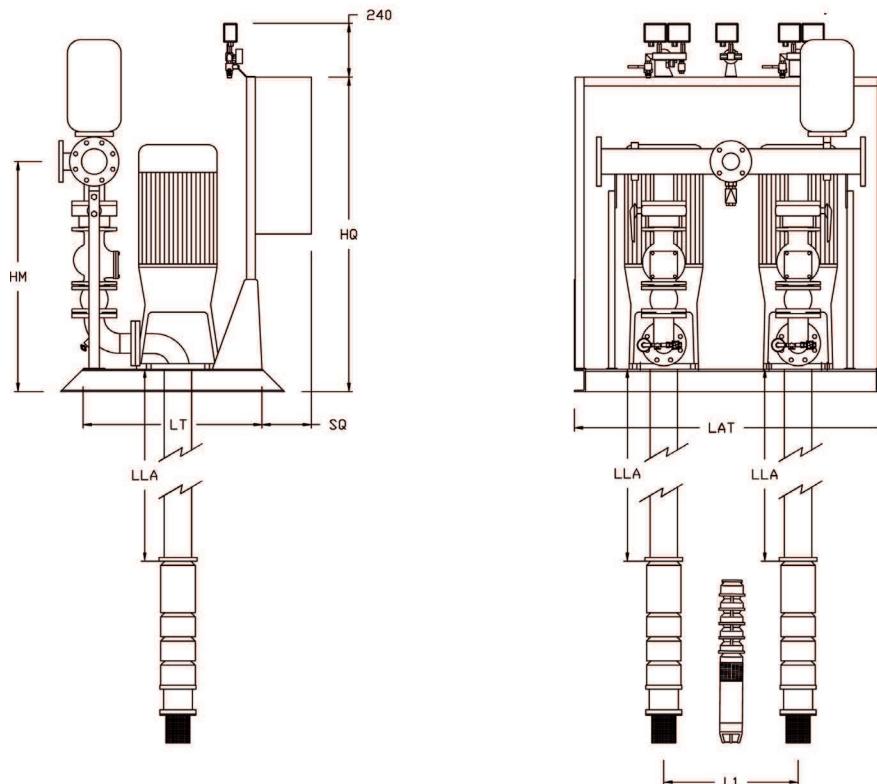
DIMENSIONI DIMENSIONS



MODELLO GRUPPO	MANDATA kit valvole	PILOTA	HM	LAT	LT	LC	L1	HQ	SQ	LLA	
MODEL GROUP	DELIVERY valves kit	COLLETTORE manifold	JOCKEY PUMP	HM	LAT	LT	LC	HQ	SQ	LLA	
VTS P2E	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm	
EN VTS P2E 6G/4A EC+S4/11	50	80 - F50	1 1/4"	997	1100	800	1000	500	1400	230	3050
EN VTS P2E 6G/6A EC+S4/16	50	80 - F50	1 1/4"	997	1100	800	1000	500	1400	230	3050
EN VTS P2E 6G/8A EC+S4/21	50	80 - F50	1 1/4"	997	1100	800	1000	500	1400	230	3050
EN VTS P2E 6G/10A EC+S4/32	50	80 - F50	1 1/4"	997	1100	800	1000	500	1400	230	3050
EN VTS P2E 6G/12A EC+S4/32	50	80 - F50	1 1/4"	997	1100	800	1000	500	1400	230	3050
EN VTS P2E 6C/4A EC+S4/11	65	80 - F50	1 1/4"	1050	1100	800	1000	500	1400	230	3050
EN VTS P2E 6C/6A EC+S4/21	65	80 - F50	1 1/4"	1050	1100	800	1000	500	1400	230	3050
EN VTS P2E 6C/8A EC+S4/21	65	80 - F50	1 1/4"	1050	1100	900	1000	500	1400	230	3050
EN VTS P2E 6C/10A EC+S4/32	65	80 - F50	1 1/4"	1031	1100	900	1000	500	1400	230	3050
EN VTS P2E 7L/3A EC+S4/11	80	100 - F65	1 1/4"	1047	1100	800	1000	500	1400	230	3050
EN VTS P2E 7L/4A EC+S4/16	80	100 - F65	1 1/4"	1047	1100	800	1000	500	1400	230	3050
EN VTS P2E 7L/5A EC+S4/21	80	100 - F65	1 1/4"	1047	1100	800	1000	500	1400	230	3050
EN VTS P2E 7L/6A EC+S4/21	80	100 - F65	1 1/4"	1047	1100	900	1000	500	1400	230	3050
EN VTS P2E 7L/7A EC+S4/32	80	100 - F65	1 1/4"	1047	1100	1100	1000	500	1400	230	3050
EN VTS P2E 7L/8A EC+S4/32	80	100 - F65	1 1/4"	1047	1100	1100	1000	500	1400	230	3050
EN VTS P2E 7L/9A EC+S4/32	80	100 - F65	1 1/4"	1047	1100	1100	1000	500	1400	230	3050
EN VTS P2E 7C/2A EC+S4/11	80	100 - F65	1 1/4"	1047	1100	900	1000	500	1400	230	3050
EN VTS P2E 7C/3A EC+S4/11	80	100 - F65	1 1/4"	1047	1100	900	1000	500	1400	230	3050
EN VTS P2E 7C/4A EC+S4/16	80	100 - F65	1 1/4"	1047	1100	900	1000	500	1400	230	3050
EN VTS P2E 7C/5A EC+S4/21	80	100 - F65	1 1/4"	1047	1100	1100	1000	500	1400	230	3050
EN VTS P2E 7C/6A EC+S4/21	80	100 - F65	1 1/4"	1047	1100	1100	1000	500	1400	230	3050
EN VTS P2E 7C/7A EC+S4/32	80	100 - F65	1 1/4"	1047	1100	1100	1000	500	1400	230	3050
EN VTS P2E 8B/2A EC+S4/11	80	100 - F65	1 1/4"	1047	1100	800	1000	500	1400	230	3050
EN VTS P2E 8B/3A EC+S4/16	80	100 - F65	1 1/4"	1047	1400	800	1300	600	1400	230	3050
EN VTS P2E 8B/4A EC+S4/21	80	100 - F65	1 1/4"	1047	1400	900	1300	600	1400	230	3050
EN VTS P2E 8B/5A EC+S4/32	80	100 - F65	1 1/4"	1047	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8B/6A EC+S4/32	80	100 - F65	1 1/4"	1047	1400	1100	1300	600	1400	230	3050

IDROFIRE VTS P2E

DIMENSIONI DIMENSIONS



MODELLO GRUPPO	MANDATA kit valvole	collettore	PILOTA	HM	LAT	LT	LC	L1	HQ	SQ	LLA
MODEL GROUP	DELIVERY valves kit	manifold	JOCKEY PUMP	HM	LAT	LT	LC	L1	HQ	SQ	LLA
VTS P2E	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm	mm
EN VTS P2E 8F/2A EC+S4/11	80	100 - F65	1 1/4"	1047	1400	900	1300	600	1400	230	3050
EN VTS P2E 8F/3A EC+S4/16	80	100 - F65	1 1/4"	1047	1400	900	1300	600	1400	230	3050
EN VTS P2E 8F/4A EC+S4/21	80	100 - F65	1 1/4"	1047	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8F/5A EC+S4/21	80	100 - F65	1 1/4"	1047	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8F/6A EC+S4/32	80	100 - F65	1 1/4"	1047	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8L/2A EC+S4/11	100	125 - F80	1 1/4"	1169	1400	900	1300	600	1400	230	3050
EN VTS P2E 8L/3A EC+S4/16	100	125 - F80	1 1/4"	1169	1400	900	1300	600	1400	230	3050
EN VTS P2E 8L/4A EC+S4/21	100	125 - F80	1 1/4"	1199	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8L/5A EC+S4/21	100	125 - F80	1 1/4"	1199	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8L/6A EC+S4/32	100	125 - F80	1 1/4"	1199	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8C/2A EC+S4/11	100	125 - F80	1 1/4"	1169	1400	900	1300	600	1400	230	3050
EN VTS P2E 8C/3A EC+S4/16	100	125 - F80	1 1/4"	1199	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8C/4A EC+S4/21	100	125 - F80	1 1/4"	1199	1400	1100	1300	600	1400	230	3050
EN VTS P2E 8C/5A EC+S4/32	100	125 - F80	1 1/4"	1189	1400	1300	1300	750	1400	230	3050
EN VTS P2E 8C/6A EC+S4/32	100	125 - F80	1 1/4"	1189	1400	1300	1300	750	1400	230	3050
EN VTS P2E 10F/1B EC+S4/11	150	200 - F125	1 1/4"	1464	1400	1100	1300	600	1400	230	3050
EN VTS P2E 10F/1A EC+S4/11	150	200 - F125	1 1/4"	1464	1400	1100	1300	600	1400	230	3050
EN VTS P2E 10F/2E EC+S4/11	150	200 - F125	1 1/4"	1464	1400	1100	1300	600	1400	230	3050
EN VTS P2E 10F/2CD EC+S4/16	150	200 - F125	1 1/4"	1454	1400	1300	1300	750	1400	230	3050
EN VTS P2E 10F/2BC EC+S4/16	150	200 - F125	1 1/4"	1454	1400	1300	1300	600	1400	330	3050
EN VTS P2E 10F/3CD EC+S4/21	150	200 - F125	1 1/4"	1454	1400	1300	1300	600	1400	330	3050
EN VTS P2E 10F/3B EC+S4/21	150	200 - F125	1 1/4"	1454	1600	1300	1500	750	1400	330	3050
EN VTS P2E 12B/1B EC+S4/11	150	200 - F125	1 1/4"	1464	1600	1100	1500	750	1400	230	3050
EN VTS P2E 12B/1A EC+S4/11	150	200 - F125	1 1/4"	1464	1600	1100	1500	750	1400	230	3050
EN VTS P2E 12B/2C EC+S4/21	150	200 - F125	1 1/4"	1454	1900	1300	1800	750	1400	330	3050
EN VTS P2E 12B/2B EC+S4/21	150	200 - F125	1 1/4"	1454	1900	1300	1800	750	1400	330	3050
EN VTS P2E 12B/3C EC+S4/32	150	200 - F125	1 1/4"	1454	1900	1300	1800	750	1400	330	3050

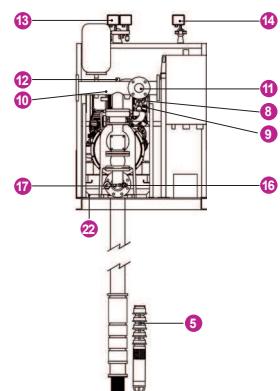
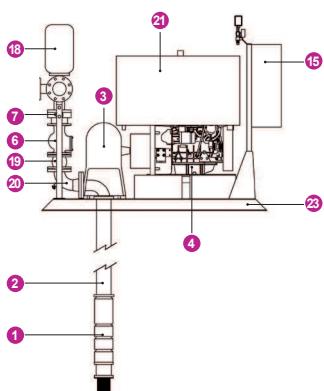
IDROFIRE VTS P1M

N.1 MOTOPOMPA DI SERVIZIO + PILOTA
NR.1 MAIN DIESEL MOTOR PUMP + JOCKEY PUMP



ELENCO COMPONENTI COMPONENT LIST

1. Pompa di servizio del tipo verticale
2. Linea d'asse
3. Gruppo di comando con rinvio ad angolo per collegamento tra pompa e motore Diesel
4. Motore Diesel
5. Elettropompa pilota sommersa
6. Valvola di ritegno a clapet
7. Valvola di intercettazione lucchettabile
8. Valvola di ritegno
9. Valvola di intercettazione a sfera con leva
10. Collettore di mandata reversibile completo di flangia cieca
11. Derivazione per collettore di prova di portata
12. Predisposizione per kit sprinkler
13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
15. Quadri elettrici di comando (uno per ogni pompa)
16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
17. Manometro 0-16 bar
18. Serbatoio Autoclave 24 lt PN16
19. Giunto di compensazione in gomma
20. Curva 90° biflangiata
21. Serbatoio gasolio per motore Diesel
22. Giunti antivibranti in gomma
23. Telaio
1. Vertical service pump
2. Shaft line
3. Right angle drive unit to link the pump and the diesel engine
4. Diesel engine
5. Submersible jockey pump
6. Swing Check Valve ("Clapet" Valve)
7. Shut-off valve lockable
8. Check valve
9. Ball valve with level
10. Reversible delivery manifold with blind flange
11. Shunt for flow meter
12. Predisposition for sprinkler kit
13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
14. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
15. Electrical control panels (one for each pump)
16. Kit recycling diaphragm complete with visual flow indicator
17. Pressure gauge 0-16 bar
18. Diaphragm pressure vessel 24LT PN16
19. Rubber strain neutralizer
20. biflanged 90° curve
21. Fuel tank for diesel engine
22. Rubber anti-vibration joints
23. Frame



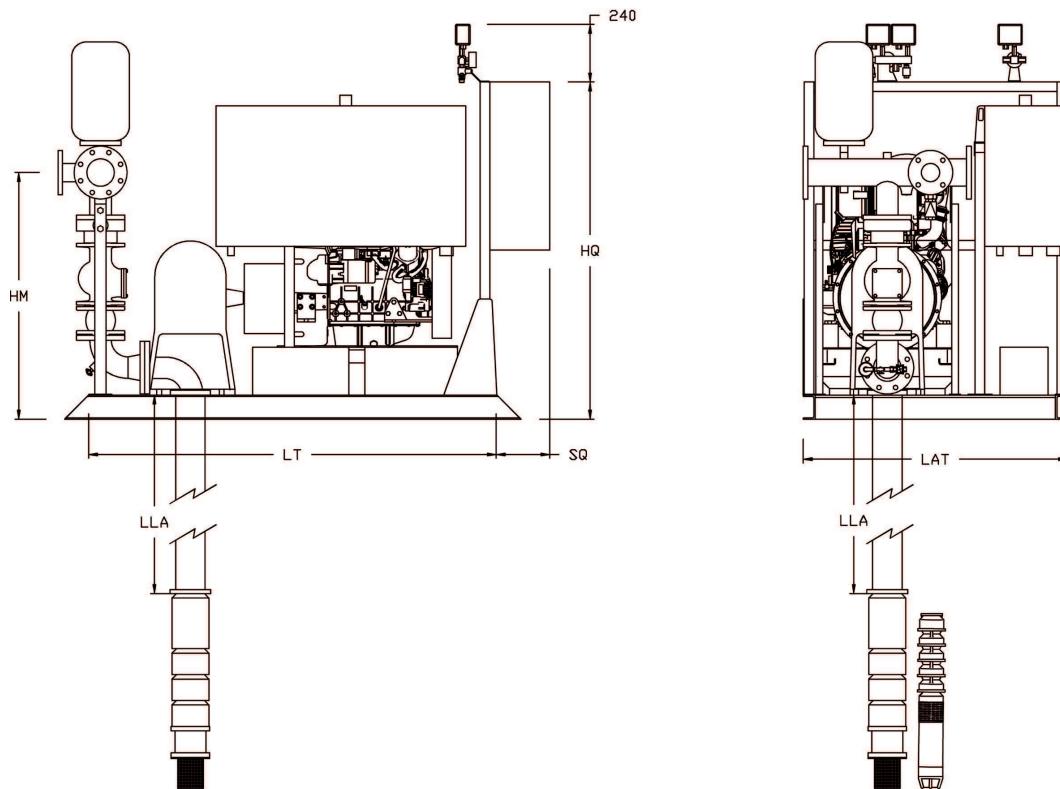
IDROFIRE VTS P1M

DATI TECNICI TECHNICAL DATA

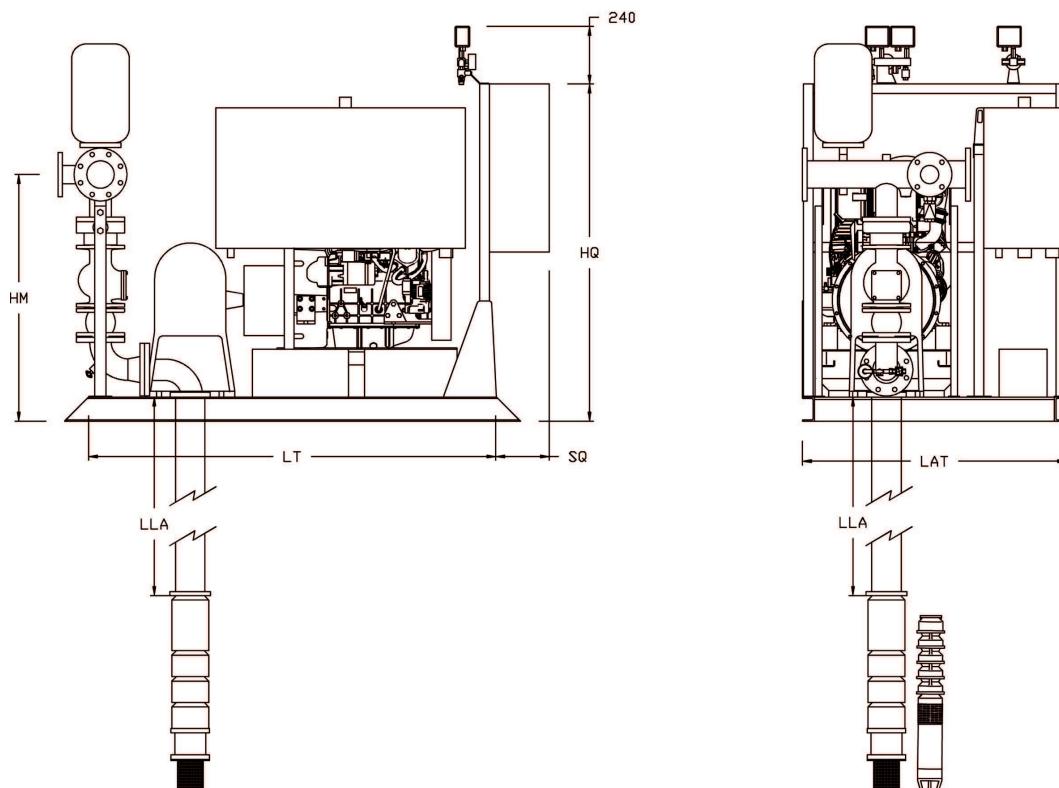
MODELLO GRUPPO	MOTOPOMPA			rinvio ad angolo		ELETTROPOMPA PILOTA	LINEA D'ASSE	KIT FLUSSIMETRO	
MODEL GROUP	MOTOR PUMP			right angle drive unit		JOCKEY PUMP	LINESHAFT	FLOW METER KIT	
VTS P1M	mod.	kW NA	kW NA	mod.	DN	mod.	kW	mod.	mod.
EN VTS P1M 6G/4A LC+S4/11	15LD440	6,2	6,7	R16/3L/20	80	S4/11	0,75	LA3/20	CM50 - V50
EN VTS P1M 6G/6A LC+S4/16	25LD425	10,4	11,5	R16/3L/20	80	S4/16	1,1	LA3/20	CM50 - V50
EN VTS P1M 6G/8A LC+S4/21	12LD477/2	13,6	15	R16/3L/20	80	S4/21	1,5	LA3/20	CM50 - V50
EN VTS P1M 6G/10A LC+S4/32	9LD625/2	17	18,9	R16/3L/20	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P1M 6G/12A LC+S4/32	9LD625/2	17	18,9	R16/3L/20	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P1M 6C/4A LC+S4/11	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	LA3/20	CM65 - V50
EN VTS P1M 6C/6A LC+S4/21	12LD477/2	13,6	15	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P1M 6C/8A LC+S4/21	9LD625/2	17	18,9	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P1M 6C/10A LC+S4/32	11LD626/3	24	26	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V50
EN VTS P1M 7L/3A LC+S4/11	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P1M 7L/4A LC+S4/16	12LD477/2	13,6	15	R16/3L/20	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P1M 7L/5A LC+S4/21	9LD625/2	17	18,9	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P1M 7L/6A LC+S4/21	11LD626/3	24	26	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P1M 7L/7A LC+S4/32	11LD626/3	24	26	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1M 7L/8A VC+S4/32	D703LE0	33	37	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1M 7L/9A VC+S4/32	D703LE0	33	37	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1M 7C/2A LC+S4/11	25LD425	10,4	11,5	R16/4L/20	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P1M 7C/3A LC+S4/11	9LD625/2	17	18,9	R16/4L/20	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P1M 7C/4A LC+S4/16	11LD626/3	24	26	R16/4L/20	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P1M 7C/5A VC+S4/21	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1M 7C/6A VC+S4/21	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1M 7C/7A VC+S4/32	D703LTE0	48	53	R26/4L/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P1M 8B/2A LC+S4/11	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P1M 8B/3A LC+S4/16	9LD625/2	17	18,9	R16/3L/20	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P1M 8B/4A LC+S4/21	11LD626/3	24	26	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P1M 8B/5A VC+S4/32	D703LE0	33	37	R26/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1M 8B/6A VC+S4/32	D703LE0	33	37	R26/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P1M 8F/2A LC+S4/11	12LD477/2	13,6	15	R16/4L/20	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P1M 8F/3A LC+S4/16	9LD625/2	17	18,9	R16/4L/20	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P1M 8F/4A LC+S4/21	11LD626/3	24	26	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1M 8F/5A VC+S4/21	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P1M 8F/6A VC+S4/32	D703LTE0	48	53	R26/4L/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P1M 8L/2A LC+S4/11	12LD477/2	13,6	15	R16/5L/20	125	S4/11	0,75	LA5/20	CM80 - V80
EN VTS P1M 8L/3A LC+S4/16	11LD626/3	24	26	R16/5L/20	125	S4/16	1,1	LA5/20	CM80 - V80
EN VTS P1M 8L/4A VC+S4/21	D703LE0	33	37	R26/5L/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P1M 8L/5A VC+S4/21	D703LE0	33	37	R26/5L/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P1M 8L/6A VC+S4/32	D703LTE0	48	53	R26/5L/24	125	S4/32	2,2	LA5/24	CM80 - V80
EN VTS P1M 8L/8A VC+S4/32	D703LE0	33	37	R26/5L/24	125	S4/32	2,2	LA5/24	CM80 - V80
EN VTS P1M 8C/2A LC+S4/11	9LD625/2	17	18,9	R16/5L/20	125	S4/11	0,75	LA5/20	CM100 - V80
EN VTS P1M 8C/3A VC+S4/16	D703LE0	33	37	R26/5L/24	125	S4/16	1,1	LA5/24	CM100 - V80
EN VTS P1M 8C/4A VC+S4/21	D703LTE0	48	53	R26/5L/24	125	S4/21	1,5	LA5/24	CM100 - V80
EN VTS P1M 8C/5A VC+S4/32	D703LTE0	48	53	R42/5L/30	125	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P1M 8C/6A VC+S4/32	D754TPE2	65	73	R42/5L/30	125	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P1M 10F/1B VC+S4/11	D703LE0	33	37	R26/6L/24	125	S4/11	0,75	LA6/24	CM150 - V125
EN VTS P1M 10F/1A VC+S4/11	D703LTE0	48	53	R26/6L/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P1M 10F/2E VC+S4/11	D703LTE0	48	53	R42/6L/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P1M 10F/2CD VC+S4/16	D754TPE2	65	73	R42/6L/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P1M 10F/2BC VC+S4/16	D754TPE2	65	73	R42/6L/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P1M 10F/3CD VC+S4/21	D756IPE2	100	110	R75/6L/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P1M 10F/3B VC+S4/21	D756IPE2	100	110	R75/6L/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P1M 12B/1B VC+S4/11	D703LTE0	48	53	R26/7L/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P1M 12B/1A VC+S4/11	D703LTE0	48	53	R42/7L/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P1M 12B/2C VC+S4/21	D754TPE2	65	73	R75/7L/30	175	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P1M 12B/2B VC+S4/21	D756IPE2	100	110	R75/7L/30	175	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P1M 12B/3C VC+S4/32	D756IPE2	100	110	R75/7L/30	175	S4/32	2,2	LA7/30	CM125 - V125

IDROFIRE VTS P1M

DIMENSIONI DIMENSIONS



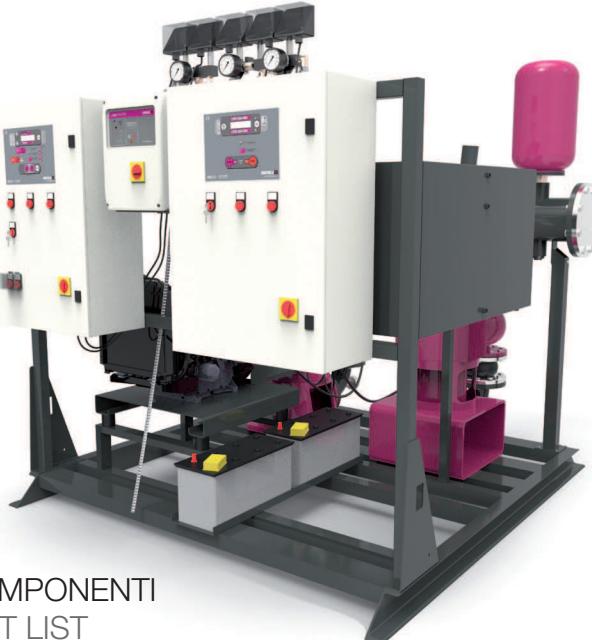
MODELLO GRUPPO	MANDATA kit valvole	collettore	PILOTA	HM	LAT	LT	LC	HQ	SQ	LLA
MODEL GROUP	DELIVERY valves kit	manifold	JOCKEY PUMP	HM	LAT	LT	LC	HQ	SQ	LLA
VTS P1M	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm
EN VTS P1M 6G/4A LC+S4/11	50	80 - F50	1¼"	997	1000	1400	700	1400	230	3050
EN VTS P1M 6G/6A LC+S4/16	50	80 - F50	1¼"	997	1000	1400	700	1401	230	3050
EN VTS P1M 6G/8A LC+S4/21	50	80 - F50	1¼"	997	1000	1600	700	1402	230	3050
EN VTS P1M 6G/10A LC+S4/32	50	80 - F50	1¼"	997	1200	1600	900	1403	230	3050
EN VTS P1M 6G/12A LC+S4/32	50	80 - F50	1¼"	997	1200	1600	900	1404	230	3050
EN VTS P1M 6C/4A LC+S4/11	65	80 - F50	1¼"	1050	1000	1400	700	1405	230	3050
EN VTS P1M 6C/6A LC+S4/21	65	80 - F50	1¼"	1050	1000	1600	700	1406	230	3050
EN VTS P1M 6C/8A LC+S4/21	65	80 - F50	1¼"	1050	1200	1600	900	1407	230	3050
EN VTS P1M 6C/10A LC+S4/32	65	80 - F50	1¼"	1050	1400	1800	1100	1408	230	3050
EN VTS P1M 7L/3A LC+S4/11	80	100 - F65	1¼"	1047	1000	1400	700	1409	230	3050
EN VTS P1M 7L/4A LC+S4/16	80	100 - F65	1¼"	1047	1000	1600	700	1410	230	3050
EN VTS P1M 7L/5A LC+S4/21	80	100 - F65	1¼"	1047	1200	1600	900	1411	230	3050
EN VTS P1M 7L/6A LC+S4/21	80	100 - F65	1¼"	1047	1400	1800	1100	1412	230	3050
EN VTS P1M 7L/7A LC+S4/32	80	100 - F65	1¼"	1047	1400	1800	1100	1413	230	3050
EN VTS P1M 7L/8A VC+S4/32	80	100 - F65	1¼"	1047	1000	1800	700	1414	230	3050
EN VTS P1M 7L/9A VC+S4/32	80	100 - F65	1¼"	1047	1000	1800	700	1415	230	3050
EN VTS P1M 7C/2A LC+S4/11	80	100 - F65	1¼"	1047	1000	1400	700	1416	230	3050
EN VTS P1M 7C/3A LC+S4/11	80	100 - F65	1¼"	1047	1200	1600	900	1417	230	3050
EN VTS P1M 7C/4A LC+S4/16	80	100 - F65	1¼"	1047	1400	1800	1100	1418	230	3050
EN VTS P1M 7C/5A VC+S4/21	80	100 - F65	1¼"	1047	1000	1800	700	1419	230	3050
EN VTS P1M 7C/6A VC+S4/21	80	100 - F65	1¼"	1047	1000	1800	700	1420	230	3050
EN VTS P1M 7C/7A VC+S4/32	80	100 - F65	1¼"	1047	1000	1800	700	1421	230	3050
EN VTS P1M 8B/2A LC+S4/11	80	100 - F65	1¼"	1047	1000	1400	700	1422	230	3050
EN VTS P1M 8B/3A LC+S4/16	80	100 - F65	1¼"	1047	1200	1600	900	1423	230	3050
EN VTS P1M 8B/4A LC+S4/21	80	100 - F65	1¼"	1047	1400	1800	1100	1424	230	3050
EN VTS P1M 8B/5A VC+S4/32	80	100 - F65	1¼"	1047	1000	1800	700	1425	230	3050
EN VTS P1M 8B/6A VC+S4/32	80	100 - F65	1¼"	1047	1000	1800	700	1426	230	3050

IDROFIRE VTS P1M**DIMENSIONI DIMENSIONS**

MODELLO GRUPPO	MANDATA kit valvole	MANDATA collettore	PILOTA	HM	LAT	LT	LC	HQ	SQ	LLA
MODEL GROUP	DELIVERY valves kit	manifold	JOCKEY PUMP	HM	LAT	LT	LC	HQ	SQ	LLA
VTS P1M	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm
EN VTS P1M 8F/2A LC+S4/11	80	100 - F65	1 1/4"	1047	1000	1600	700	1427	230	3050
EN VTS P1M 8F/3A LC+S4/16	80	100 - F65	1 1/4"	1047	1200	1600	900	1428	230	3050
EN VTS P1M 8F/4A LC+S4/21	80	100 - F65	1 1/4"	1047	1400	1800	1100	1429	230	3050
EN VTS P1M 8F/5A VC+S4/21	80	100 - F65	1 1/4"	1047	1000	1800	700	1430	230	3050
EN VTS P1M 8F/6A VC+S4/32	80	100 - F65	1 1/4"	1047	1000	1800	700	1431	230	3050
EN VTS P1M 8L/2A LC+S4/11	100	125 - F80	1 1/4"	1169	1000	1600	700	1432	230	3050
EN VTS P1M 8L/3A LC+S4/16	100	125 - F80	1 1/4"	1169	1400	1800	1100	1433	230	3050
EN VTS P1M 8L/4A VC+S4/21	100	125 - F80	1 1/4"	1169	1000	2000	700	1434	230	3050
EN VTS P1M 8L/5A VC+S4/21	100	125 - F80	1 1/4"	1169	1000	2000	700	1435	230	3050
EN VTS P1M 8L/6A VC+S4/32	100	125 - F80	1 1/4"	1169	1000	2000	700	1436	230	3050
EN VTS P1M 8C/2A LC+S4/11	100	125 - F80	1 1/4"	1169	1200	1600	900	1437	230	3050
EN VTS P1M 8C/3A VC+S4/16	100	125 - F80	1 1/4"	1169	1000	2000	700	1438	230	3050
EN VTS P1M 8C/4A VC+S4/21	100	125 - F80	1 1/4"	1169	1000	2000	700	1439	230	3050
EN VTS P1M 8C/5A VC+S4/32	100	125 - F80	1 1/4"	1199	1000	2000	700	1440	230	3050
EN VTS P1M 8C/6A VC+S4/32	100	125 - F80	1 1/4"	1199	1000	2300	700	1441	230	3050
EN VTS P1M 10F/1B VC+S4/11	150	200 - F125	1 1/4"	1434	1000	2000	700	1442	230	3050
EN VTS P1M 10F/1AVC+S4/11	150	200 - F125	1 1/4"	1464	1000	2000	700	1443	230	3050
EN VTS P1M 10F/2EV C+S4/11	150	200 - F125	1 1/4"	1464	1000	2000	700	1444	230	3050
EN VTS P1M 10F/2CD VC+S4/16	150	200 - F125	1 1/4"	1464	1000	2300	700	1445	230	3050
EN VTS P1M 10F/2BC VC+S4/16	150	200 - F125	1 1/4"	1464	1000	2300	700	1446	230	3050
EN VTS P1M 10F/3CD VC+S4/21	150	200 - F125	1 1/4"	1464	1000	2500	700	1447	230	3050
EN VTS P1M 10F/3BV C+S4/21	150	200 - F125	1 1/4"	1464	1000	2500	700	1448	230	3050
EN VTS P1M 12B/1B VC+S4/11	150	200 - F125	1 1/4"	1464	1000	2000	700	1449	230	3050
EN VTS P1M 12B/1AVC+S4/11	150	200 - F125	1 1/4"	1464	1000	2000	700	1450	230	3050
EN VTS P1M 12B/2CV C+S4/21	150	200 - F125	1 1/4"	1464	1000	2300	700	1451	230	3050
EN VTS P1M 12B/2BV C+S4/21	150	200 - F125	1 1/4"	1464	1000	2500	700	1452	230	3050
EN VTS P1M 12B/3CV C+S4/32	150	200 - F125	1 1/4"	1464	1000	2500	700	1453	230	3050

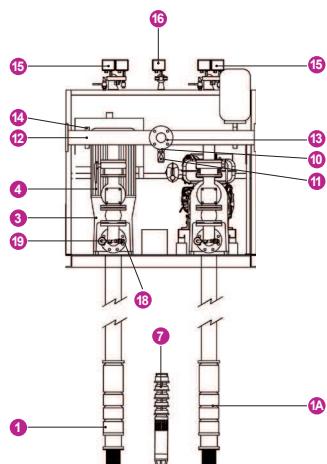
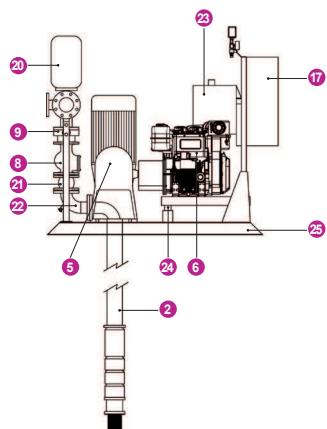
IDROFIRE VTS PEM

N.1 ELETTROPOMPA DI SERVIZIO + N.1 MOTOPOMPA DI RISERVA + PILOTA
NR.1 MAIN ELECTRIC PUMP + NR.1 BACKUP DIESEL MOTOR PUMP + JOCKEY PUMP



ELENCO COMPONENTI COMPONENT LIST

1. Pompa di servizio del tipo verticale
 - 1A. Pompa di riserva del tipo verticale
 2. Linea d'asse per pompa di servizio e pompa di riserva
 3. Gruppo di comando con rinvio ad angolo per collegamento tra pompa (di servizio) e motore Diesel
 4. Motore elettrico per pompa di servizio e di riserva
 5. Gruppo di comando con rinvio ad angolo per collegamento tra pompa (di riserva) e motore Diesel
 6. Motore Diesel
 7. Elettropompa pilota sommersa
 8. Valvola di ritegno a clapet
 9. Valvola di intercettazione lucchettabile
 10. Valvola di ritegno
 11. Valvola di intercettazione a sfera con leva
 12. Collettore di mandata reversibile completo di flangia cieca
 13. Derivazione per collettore di prova di portata
 14. Predisposizione per kit sprinkler
 15. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
 16. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
 17. Quadri elettrici di comando (uno per ogni pompa)
 18. Kit diaframma di ricircolo completo di indicatore visivo di flusso
 19. Manometro 0-16 bar
 20. Serbatoio Autoclave 24 lt PN16
 21. Giunto di compensazione in gomma
 22. Curva 90° biflangiata
 23. Serbatoio gasolio per motore Diesel
 24. Giunti antivibranti in gomma
 25. Telaio
1. Service vertical pump
 - 1A. Backup vertical pump
 2. Shaft line for service and backup pump
 3. Drive unit to link the pump (service) and electrical \ engine
 4. Electrical engine for service pump and backup pump
 5. Right angle drive unit to link the pump (backup) and the diesel engine
 6. Diesel engine
 7. Submersible jockey pump
 8. Swing Check Valve ("Clapet" Valve)
 9. Shut-off valve lockable
 10. Check valve
 11. Ball valve with level
 12. Reversible delivery manifold with blind flange
 13. Shunt for flow meter
 14. Predisposition for sprinkler kit
 15. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
 16. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
 17. Electrical control panels (one for each pump)
 18. Kit recycling diaphragm complete with visual flow indicator
 19. Pressure gauge 0-16 bar
 20. Diaphragm pressure vessel 24LT PN16
 21. Rubber strain neutralizer
 22. Biflanged 90° curve
 23. Fuel tank for diesel engine
 24. Rubber anti-vibration joints
 25. Frame



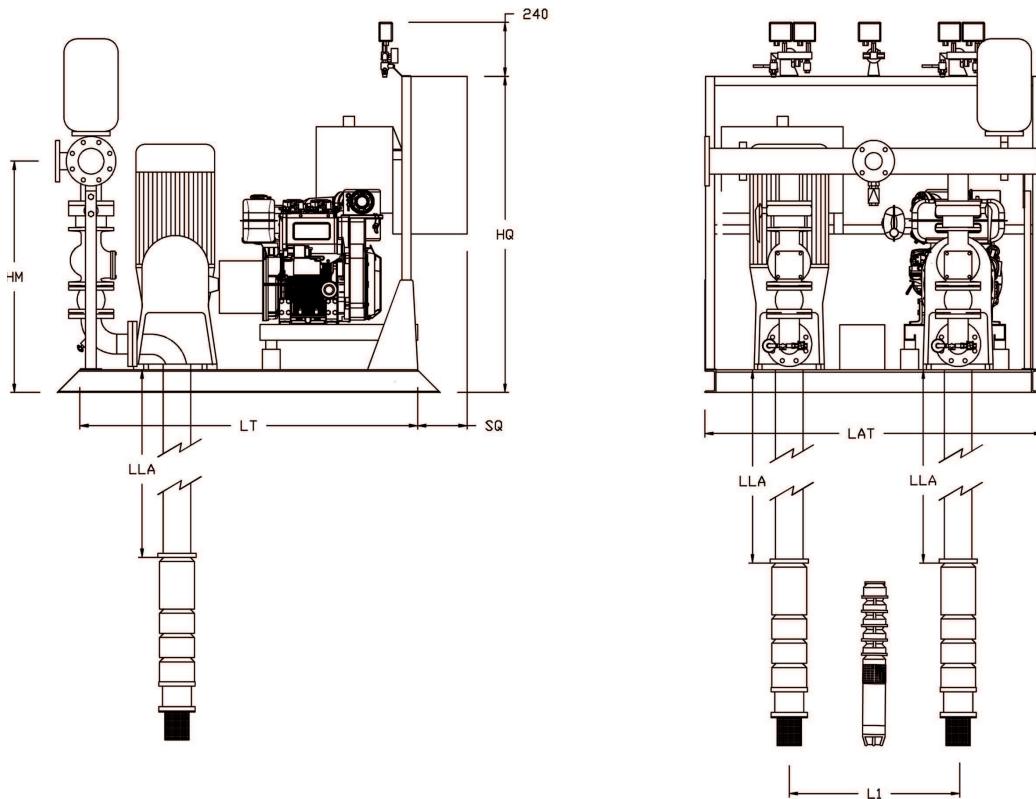
IDROFIRE VTS PEM

DATI TECNICI TECHNICAL DATA

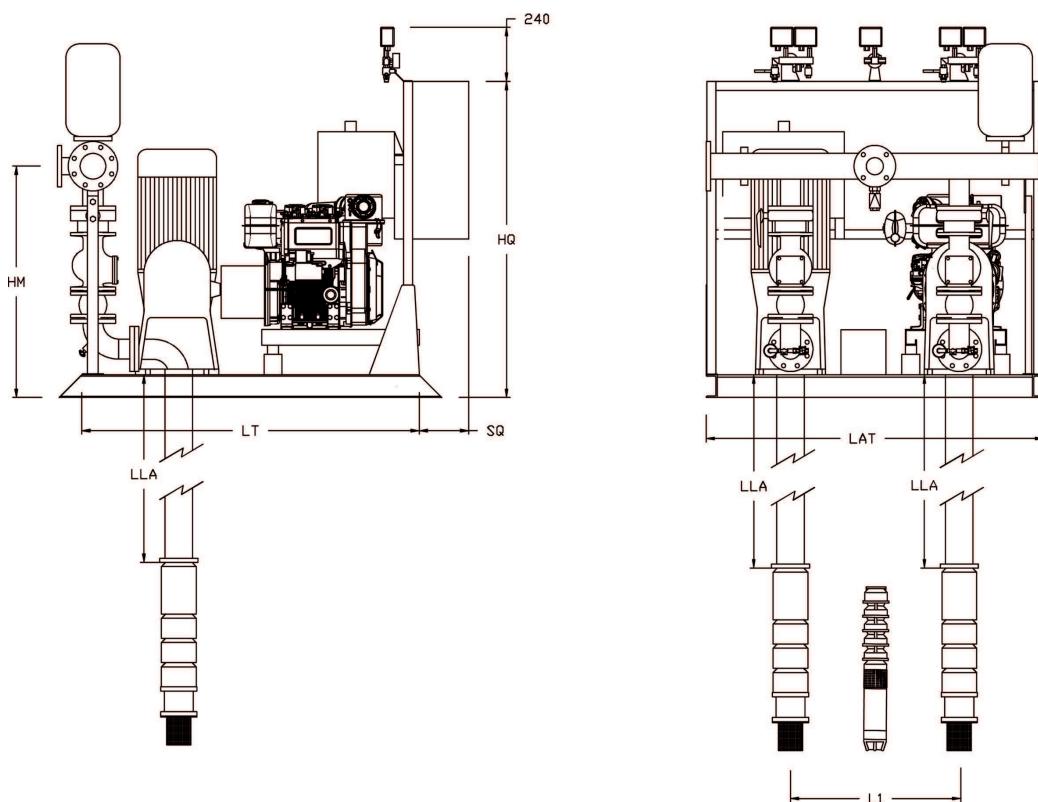
MODELLO GRUPPO MODEL GROUP	ELETTROPOMPA			MOTOPOMPA			rinvio ad angolo	ELETTROPOMPA PILOTA		LINEA D'ASSE	KIT FLUSSIMETRO
	mot. elett.	gruppo di comando	mot. diesel	MOTOR PUMP		diesel engine		JOCKEY PUMP	LINESHAFT		
	el. engine	drive unit on the surface				right angle drive unit					
VTS PEM	kW	mod.	DN	mod.	kW NA	kW NB	mod.	DN	mod.	kW	mod.
EN VTS PEM 6G/4A ELC+S4/11	7,5	E13/38/3L/20A	80	15LD440	6,2	6,7	R16/3L/20	80	S4/11	0,75	LA3/20
EN VTS PEM 6G/6A ELC+S4/16	11	E18/42/3L/20A	80	25LD425	10,4	11,5	R16/3L/20	80	S4/16	1,1	LA3/20
EN VTS PEM 6G/8A ELC+S4/21	11	E18/42/3L/20A	80	12LD477/2	13,6	15	R16/3L/20	80	S4/21	1,5	LA3/20
EN VTS PEM 6G/10A ELC+S4/32	15	E18/42/3L/20A	80	9LD625/2	17	18,9	R16/3L/20	80	S4/32	2,2	LA3/20
EN VTS PEM 6G/12A ELC+S4/32	18,5	E18/42/3L/20A	80	9LD625/2	17	18,9	R16/3L/20	80	S4/32	2,2	LA3/20
EN VTS PEM 6C/4A ELC+S4/11	11	E18/42/3L/20A	80	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	CM65 - V50
EN VTS PEM 6C/6A ELC+S4/21	15	E18/42/3L/20A	80	12LD477/2	13,6	15	R16/3L/20	80	S4/21	1,5	CM65 - V50
EN VTS PEM 6C/8A ELC+S4/21	18,5	E18/48/3L/20A	80	9LD625/2	17	18,9	R16/3L/20	80	S4/21	1,5	CM65 - V50
EN VTS PEM 6C/10A ELC+S4/32	30	E20/55/3/24	100	11LD626/3	24	26	R16/3L/24	80	S4/32	2,2	CM65 - V50
EN VTS PEM 7L/3A ELC+S4/11	11	E18/42/3L/20A	80	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	CM65 - V65
EN VTS PEM 7L/4A ELC+S4/16	15	E18/42/3L/20A	80	12LD477/2	13,6	15	R16/3L/20	80	S4/16	1,1	CM65 - V65
EN VTS PEM 7L/5A ELC+S4/21	18,5	E18/42/3L/20A	80	9LD625/2	17	18,9	R16/3L/20	80	S4/21	1,5	CM65 - V65
EN VTS PEM 7L/6A ELC+S4/21	22	E18/48/3L/20A	80	11LD626/3	24	26	R16/3L/20	80	S4/21	1,5	CM65 - V65
EN VTS PEM 7L/7A ELC+S4/32	30	E20/55/3/24	100	11LD626/3	24	26	R16/3L/24	80	S4/32	2,2	CM65 - V65
EN VTS PEM 7L/8A EVC+S4/32	30	E20/55/3/24	100	D703LE0	33	37	R16/3L/24	80	S4/32	2,2	CM65 - V65
EN VTS PEM 7L/9A EVC+S4/32	30	E20/55/3/24	100	D703LE0	33	37	R16/3L/24	80	S4/32	2,2	CM65 - V65
EN VTS PEM 7C/2A ELC+S4/11	11	E18/42/4L/20A	100	25LD425	10,4	11,5	R16/4L/20	100	S4/11	0,75	LA4/20
EN VTS PEM 7C/3A ELC+S4/11	18,5	E18/42/4L/20A	100	9LD625/2	17	18,9	R16/4L/20	100	S4/11	0,75	LA4/20
EN VTS PEM 7C/4A ELC+S4/16	22	E18/48/4L/20A	100	11LD626/3	24	26	R16/4L/20	100	S4/16	1,1	LA4/20
EN VTS PEM 7C/5A EVC+S4/21	30	E20/55/4/24	100	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	CM80 - V65
EN VTS PEM 7C/6A EVC+S4/21	37	E20/55/4/24	100	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	LA4/24
EN VTS PEM 7C/7A EVC+S4/32	37	E22/55/4/24	100	D703LTE0	48	53	R26/4L/24	100	S4/32	2,2	LA4/24
EN VTS PEM 8B/2A ELC+S4/11	11	E18/42/3L/20A	80	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	LA3/20
EN VTS PEM 8B/3A ELC+S4/16	18,5	E18/42/3L/20A	80	9LD625/2	17	18,9	R16/3L/20	80	S4/16	1,1	CM65 - V65
EN VTS PEM 8B/4A ELC+S4/21	22	E18/48/3L/20A	80	11LD626/3	24	26	R16/3L/20	80	S4/21	1,5	LA3/20
EN VTS PEM 8B/5A EVC+S4/32	30	E20/55/3/24	100	D703LE0	33	37	R26/3L/24	80	S4/32	2,2	CM65 - V65
EN VTS PEM 8B/6A EVC+S4/32	37	E20/55/3/24	100	D703LE0	33	37	R26/3L/24	80	S4/32	2,2	LA3/24
EN VTS PEM 8F/2A ELC+S4/11	15	E18/42/4L/20A	100	12LD477/2	13,6	15	R16/4L/20	100	S4/11	0,75	LA4/20
EN VTS PEM 8F/3A ELC+S4/16	18,5	E18/42/4L/20A	100	9LD625/2	17	18,9	R16/4L/20	100	S4/16	1,1	LA4/20
EN VTS PEM 8F/4A ELC+S4/21	30	E20/55/4/24	100	11LD626/3	24	26	R26/4L/24	100	S4/21	1,5	LA4/24
EN VTS PEM 8F/5A EVC+S4/21	30	E20/55/4/24	100	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	CM80 - V65
EN VTS PEM 8F/6A EVC+S4/32	37	E20/55/4/24	100	D703LTE0	48	53	R26/4L/24	100	S4/32	2,2	LA4/24
EN VTS PEM 8L/2A ELC+S4/11	15	E18/42/5/20A	125	12LD477/2	13,6	15	R16/5/20	125	S4/11	0,75	LA5/20
EN VTS PEM 8L/3A ELC+S4/16	22	E18/48/5/20A	125	11LD626/3	24	26	R16/5/20	125	S4/16	1,1	LA5/20
EN VTS PEM 8L/4A EVC+S4/21	30	E20/55/5/24	125	D703LE0	33	37	R26/5/24	125	S4/21	1,5	LA5/24
EN VTS PEM 8L/5A EVC+S4/21	37	E20/55/5/24	125	D703LE0	33	37	R26/5/24	125	S4/21	1,5	LA5/24
EN VTS PEM 8L/6A EVC+S4/32	45	E22/55/5/30	125	D703LTE0	48	53	R26/5/24	125	S4/32	2,2	LA5/24
EN VTS PEM 8C/2A ELC+S4/11	18,5	E18/42/5/20A	125	9LD625/2	17	18,9	R16/5/20	125	S4/11	0,75	CM100 - V80
EN VTS PEM 8C/3A EVC+S4/16	30	E20/55/5/24	125	D703LE0	33	37	R26/5/24	125	S4/16	1,1	CM100 - V80
EN VTS PEM 8C/4A EVC+S4/21	37	E22/55/5/30	125	D703LTE0	48	53	R26/5/24	125	S4/21	1,5	CM100 - V80
EN VTS PEM 8C/5A EVC+S4/32	45	E28/60/5/30	150	D703LTE0	48	53	R42/5/30	125	S4/32	2,2	CM100 - V80
EN VTS PEM 8C/6A EVC+S4/32	55	E28/60/5/30	150	D754TPE2	65	73	R42/5/30	125	S4/32	2,2	LA5/30
EN VTS PEM 10F/1B EVC+S4/11	37	E20/55/6/24	150	D703LE0	33	37	R26/6/24	125	S4/11	0,75	LA6/24
EN VTS PEM 10F/1A EVC+S4/11	45	E22/55/6/30	150	D703LTE0	48	53	R26/6/30	150	S4/11	0,75	LA6/30
EN VTS PEM 10F/2E EVC+S4/11	45	E22/55/6/30	150	D703LTE0	48	53	R42/6/30	150	S4/11	0,75	LA6/30
EN VTS PEM 10F/2CD EVC+S4/16	55	E28/60/6/30	150	D754TPE2	65	73	R42/6/30	150	S4/16	1,1	LA6/30
EN VTS PEM 10F/2BC EVC+S4/16	75	E28/65A/6/30	150	D754TPE2	65	73	R42/6/30	150	S4/16	1,1	CM150 - V125
EN VTS PEM 10F/3CD EVC+S4/21	90	E28/65A/6/30	150	D756IPE2	100	110	R75/6/30	150	S4/21	1,5	LA6/30
EN VTS PEM 10F/3B EVC+S4/21	110	E28/65A/6/30	150	D756IPE2	100	110	R75/6/30	150	S4/21	1,5	CM150 - V125
EN VTS PEM 12B/1B EVC+S4/11	37	E20/55/7/30	175	D703LTE0	48	53	R26/7/30	175	S4/11	0,75	LA7/30
EN VTS PEM 12B/1A EVC+S4/11	45	E22/55/7/30	175	D703LTE0	48	53	R42/7/30	175	S4/11	0,75	LA7/30
EN VTS PEM 12B/2C EVC+S4/21	75	E28/65A/7/30	200	D754TPE2	65	73	R75/7/30	175	S4/21	1,5	LA7/30
EN VTS PEM 12B/2B EVC+S4/21	75	E28/65A/7/30	200	D756IPE2	100	110	R75/7/30	175	S4/21	1,5	LA7/30
EN VTS PEM 12B/2B EVC+S4/21	75	E28/65A/7/30	200	D756IPE2	100	110	R75/7/30	175	S4/32	2,2	LA7/30
EN VTS PEM 12B/3C EVC+S4/32	110	E28/65A/7/35	200	D756IPE2	100	110	R75/7/30	175	S4/32	2,2	CM125 - V125

IDROFIRE VTS PEM

DIMENSIONI DIMENSIONS



MODELLO GRUPPO	MANDATA kit valvole	collettore	PILOTA	HM	LAT	LT	LC	L1	HQ	SQ	LLA
MODEL GROUP	DELIVERY valves kit	manifold	JOCKEY PUMP	HM	LAT	LT	LC	L1	HQ	SQ	LLA
VTS PEM	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm	mm
EN VTS PEM 6G/4A ELC+S4/11	50	80 - F50	1 1/4"	997	1400	1400	1300	600	1400	230	3050
EN VTS PEM 6G/6A ELC+S4/16	50	80 - F50	1 1/4"	997	1400	1400	1300	600	1401	230	3050
EN VTS PEM 6G/8A ELC+S4/21	50	80 - F50	1 1/4"	997	1400	1600	1500	600	1402	230	3050
EN VTS PEM 6G/10A ELC+S4/32	50	80 - F50	1 1/4"	997	1500	1600	1500	700	1403	230	3050
EN VTS PEM 6G/12A ELC+S4/32	50	80 - F50	1 1/4"	997	1500	1600	1500	700	1404	230	3050
EN VTS PEM 6C/4A ELC+S4/11	65	80 - F50	1 1/4"	1050	1400	1400	1300	600	1405	230	3050
EN VTS PEM 6C/6A ELC+S4/21	65	80 - F50	1 1/4"	1050	1400	1600	1500	600	1406	230	3050
EN VTS PEM 6C/8A ELC+S4/21	65	80 - F50	1 1/4"	1050	1500	1600	1500	700	1407	230	3050
EN VTS PEM 6C/10A ELC+S4/32	65	80 - F50	1 1/4"	1050	1500	1800	1700	700	1408	230	3050
EN VTS PEM 7L/3A ELC+S4/11	80	100 - F65	1 1/4"	1047	1400	1400	1300	600	1409	230	3050
EN VTS PEM 7L/4A ELC+S4/16	80	100 - F65	1 1/4"	1047	1400	1600	1500	600	1410	230	3050
EN VTS PEM 7L/5A ELC+S4/21	80	100 - F65	1 1/4"	1047	1500	1600	1500	700	1411	230	3050
EN VTS PEM 7L/6A ELC+S4/21	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1412	230	3050
EN VTS PEM 7L/7A ELC+S4/32	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1413	230	3050
EN VTS PEM 7L/8A EVC+S4/32	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1414	230	3050
EN VTS PEM 7L/9A EVC+S4/32	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1415	230	3050
EN VTS PEM 7C/2A ELC+S4/11	80	100 - F65	1 1/4"	1047	1400	1400	1300	600	1416	230	3050
EN VTS PEM 7C/3A ELC+S4/11	80	100 - F65	1 1/4"	1047	1500	1600	1500	700	1417	230	3050
EN VTS PEM 7C/4A ELC+S4/16	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1418	230	3050
EN VTS PEM 7C/5A EVC+S4/21	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1419	230	3050
EN VTS PEM 7C/6A EVC+S4/21	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1420	230	3050
EN VTS PEM 7C/7A EVC+S4/32	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1421	230	3050
EN VTS PEM 8B/2A ELC+S4/11	80	100 - F65	1 1/4"	1047	1400	1400	1300	600	1422	230	3050
EN VTS PEM 8B/3A ELC+S4/16	80	100 - F65	1 1/4"	1047	1500	1600	1500	700	1423	230	3050
EN VTS PEM 8B/4A ELC+S4/21	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1424	230	3050
EN VTS PEM 8B/5A EVC+S4/32	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1425	230	3050
EN VTS PEM 8B/6A EVC+S4/32	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1426	230	3050

IDROFIRE VTS PEM**DIMENSIONI DIMENSIONS**

MODELLO GRUPPO	MANDATA kit valvole	collettore	PILOTA	HM	LAT	LT	LC	L1	HQ	SQ	LLA
MODEL GROUP	DELIVERY valves kit	manifold	JOCKEY PUMP	HM	LAT	LT	LC	L1	HQ	SQ	LLA
VTS PEM	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm	mm
EN VTS PEM 8F/2A ELC+S4/11	80	100 - F65	1 1/4"	1047	1400	1600	1500	600	1427	230	3050
EN VTS PEM 8F/3A ELC+S4/16	80	100 - F65	1 1/4"	1047	1500	1600	1500	700	1428	230	3050
EN VTS PEM 8F/4A ELC+S4/21	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1429	230	3050
EN VTS PEM 8F/5A EVC+S4/21	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1430	230	3050
EN VTS PEM 8F/6A EVC+S4/32	80	100 - F65	1 1/4"	1047	1500	1800	1700	700	1431	230	3050
EN VTS PEM 8L/2A ELC+S4/11	100	125 - F80	1 1/4"	1169	1400	1600	1500	600	1432	230	3050
EN VTS PEM 8L/3A ELC+S4/16	100	125 - F80	1 1/4"	1169	1500	1800	1700	700	1433	230	3050
EN VTS PEM 8L/4A EVC+S4/21	100	125 - F80	1 1/4"	1199	1500	2000	1900	700	1434	230	3050
EN VTS PEM 8L/5A EVC+S4/21	100	125 - F80	1 1/4"	1199	1500	2000	1900	700	1435	230	3050
EN VTS PEM 8L/6A EVC+S4/32	100	125 - F80	1 1/4"	1199	1500	2000	1900	700	1436	230	3050
EN VTS PEM 8C/2A ELC+S4/11	100	125 - F80	1 1/4"	1169	1500	1600	1500	700	1437	230	3050
EN VTS PEM 8C/3A EVC+S4/16	100	125 - F80	1 1/4"	1199	1500	2000	1900	700	1438	230	3050
EN VTS PEM 8C/4A EVC+S4/21	100	125 - F80	1 1/4"	1199	1500	2000	1900	700	1439	230	3050
EN VTS PEM 8C/5A EVC+S4/32	100	125 - F80	1 1/4"	1199	1500	2000	1900	700	1440	230	3050
EN VTS PEM 8C/6A EVC+S4/32	100	125 - F80	1 1/4"	1199	1500	2300	2200	700	1441	230	3050
EN VTS PEM 10F/1B EVC+S4/11	150	200 - F125	1 1/4"	1464	1500	2000	1900	700	1442	230	3050
EN VTS PEM 10F/1A EVC+S4/11	150	200 - F125	1 1/4"	1464	1500	2000	1900	700	1443	230	3050
EN VTS PEM 10F/2E EVC+S4/11	150	200 - F125	1 1/4"	1464	1500	2000	1900	700	1444	230	3050
EN VTS PEM 10F/2CD EVC+S4/16	150	200 - F125	1 1/4"	1464	1500	2300	2200	700	1445	230	3050
EN VTS PEM 10F/2BC EVC+S4/16	150	200 - F125	1 1/4"	1464	1500	2300	2200	700	1446	330	3050
EN VTS PEM 10F/3CD EVC+S4/21	150	200 - F125	1 1/4"	1464	1600	2500	2400	700	1447	330	3050
EN VTS PEM 10F/3B EVC+S4/21	150	200 - F125	1 1/4"	1464	1600	2500	2400	700	1448	330	3050
EN VTS PEM 12B/1B EVC+S4/11	150	200 - F125	1 1/4"	1464	1500	2000	1900	700	1449	230	3050
EN VTS PEM 12B/1A EVC+S4/11	150	200 - F125	1 1/4"	1464	1500	2000	1900	700	1450	230	3050
EN VTS PEM 12B/2C EVC+S4/21	150	200 - F125	1 1/4"	1464	1500	2300	2200	700	1451	330	3050
EN VTS PEM 12B/2B EVC+S4/21	150	200 - F125	1 1/4"	1464	1500	2500	2400	700	1452	330	3050
EN VTS PEM 12B/3C EVC+S4/32	150	200 - F125	1 1/4"	1464	1600	2500	2400	700	1453	330	3050

IDROFIRE VTS P2M

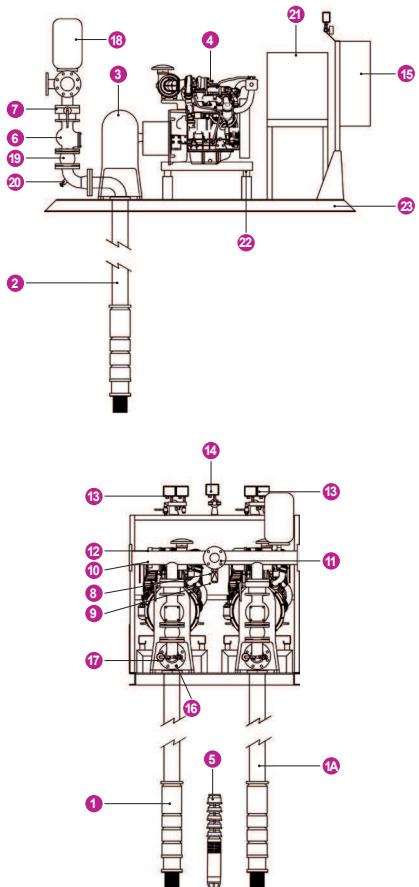
N.1 MOTOPOMPA DI SERVIZIO + N.1 MOTOPOMPA DI RISERVA + PILOTA

NR.1 MAIN DIESEL MOTORPUMP + NR.1 BACKUP DIESEL MOTOR PUMP + JOCKEY PUMP



ELENCO COMPONENTI COMPONENT LIST

1. Pompa di servizio del tipo verticale
- 1A. Pompa di riserva del tipo verticale
2. Linea d'asse per pompa di servizio e pompa di riserva
3. Gruppo di comando con rinvio ad angolo per collegamento tra pompe e motore Diesel
4. Motore Diesel per alimentazione pompa di servizio e di riserva
5. Elettropompa pilota sommersa
6. Valvola di ritegno a clapet
7. Valvola di intercettazione lucchettabile
8. Valvola di ritegno
9. Valvola di intercettazione a sfera con leva
10. Collettore di mandata reversibile completo di flangia cieca
11. Derivazione per collettore di prova di portata
12. Predisposizione per kit sprinkler
13. Kit avviamento per pompe principali composto da 2 pressostati 2-14 bar con pulsante di prova integrato, 1 manometro 0-16 bar e circuito by-pass
14. Kit avviamento per pompa pilota composto da 1 pressostato con pulsante di prova integrato, 1 manometro
15. Quadri elettrici di comando (uno per ogni pompa)
16. Kit diaframma di ricircolo completo di indicatore visivo di flusso
17. Manometro 0-16 bar
18. Serbatoio Autoclave 24 lt PN16
19. Giunto di compensazione in gomma
20. Curva 90° biflangiata
21. Serbatoio gasolio per motore Diesel
22. Giunti antivibranti in gomma
23. Telaio
1. Service vertical pump
- 1A. Backup vertical pump
2. Shaft line for service and backup pump
3. Drive unit to link the pumps and diesel engine
4. Diesel engine for service pump and backup pump
5. Submersible jockey pump
6. Swing Check Valve ("Clapet" Valve)
7. Shut-off valve lockable
8. Check valve
9. Ball valve with level
10. Reversible delivery manifold with blind flange
11. Shunt for flow meter
12. Predisposition for sprinkler kit
13. Starting kit for main pump composed by 2 pressure switch 2-14 bar with integrated test button, 1 pressure gauge 0-16 bar and by-pass circuit
14. Starting kit for jockey electric pump composed by 1 pressure switch with integrated test button, 1 pressure gauge
15. Electrical control panels (one for each pump)
16. Kit recycling diaphragm complete with visual flow indicator
17. Pressure gauge 0-16 bar
18. Diaphragm pressure vessel 24LT PN16
19. Rubber strain neutralizer
20. biflanged 90° curve
21. Fuel tank for diesel engine
22. Rubber anti-vibration joints
23. Frame



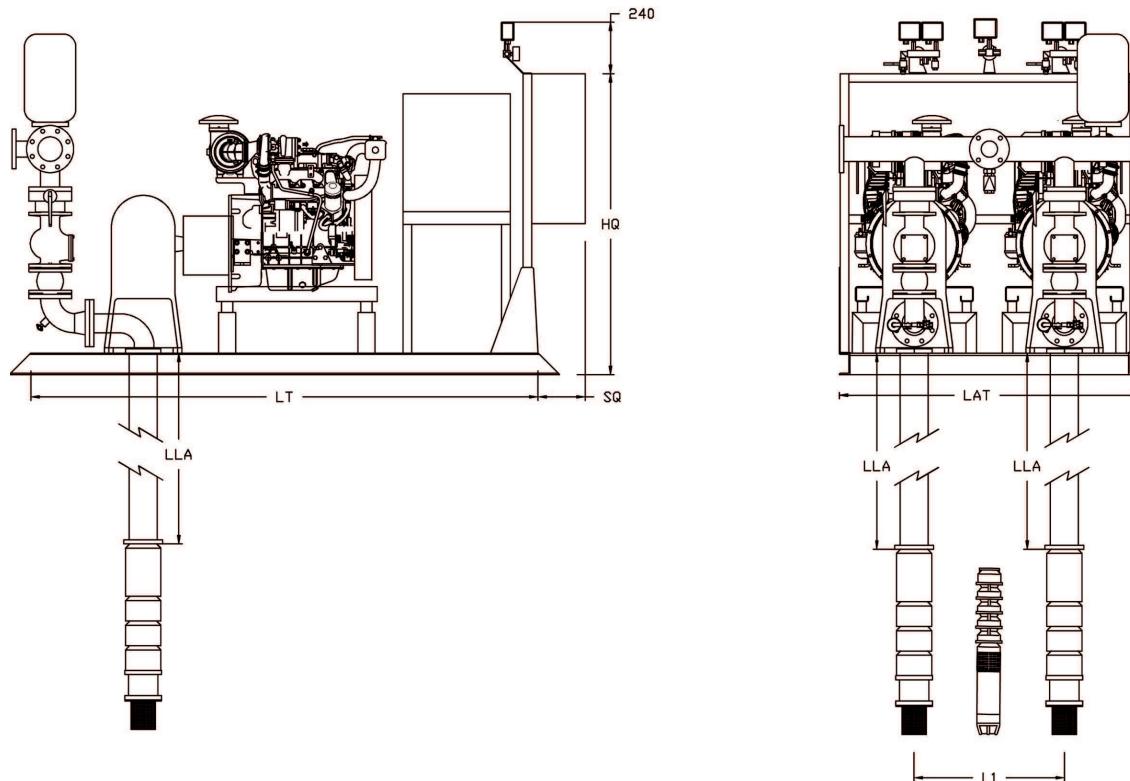
IDROFIRE VTS P2M

DATI TECNICI TECHNICAL DATA

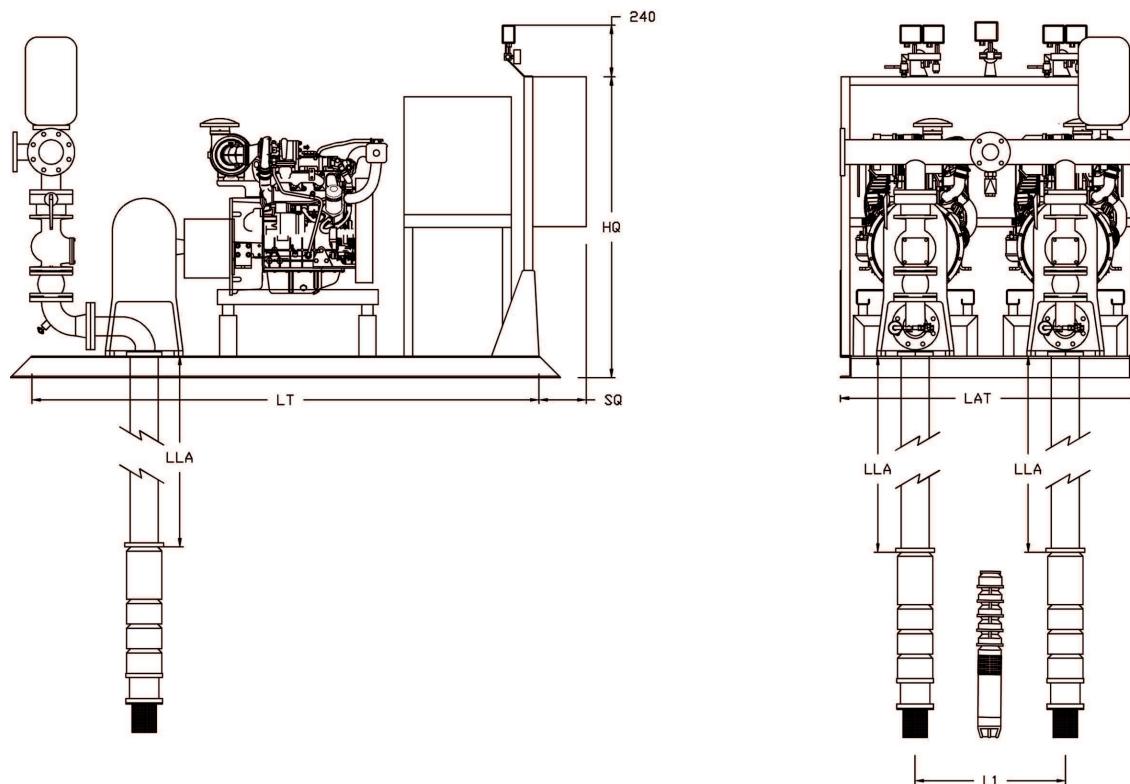
MODELLO GRUPPO MODEL GROUP	MOTOPOMPA motore diesel			rinvio ad angolo		ELETTROPOMPA PILOTA		LINEA D'ASSE LINESHAFT	KIT FLUSSIMETRO FLOW METER KIT
	MOTOR PUMP diesel engine			right angle drive unit		JOCKEY PUMP			
	VTS P2M	mod.	kW NA	kW NB	mod.	DN	mod.	kW	mod.
EN VTS P2M 6G/4A LC+S4/11	15LD440	6,2	6,7	R16/3L/20	80	S4/11	0,75	LA3/20	CM50 - V50
EN VTS P2M 6G/6A LC+S4/16	25LD425	10,4	11,5	R16/3L/20	80	S4/16	1,1	LA3/20	CM50 - V50
EN VTS P2M 6G/8A LC+S4/21	12LD477/2	13,6	15	R16/3L/20	80	S4/21	1,5	LA3/20	CM50 - V50
EN VTS P2M 6G/10A LC+S4/32	9LD625/2	17	18,9	R16/3L/20	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P2M 6G/12A LC+S4/32	9LD625/2	17	18,9	R16/3L/20	80	S4/32	2,2	LA3/20	CM50 - V50
EN VTS P2M 6C/4A LC+S4/11	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	LA3/20	CM65 - V50
EN VTS P2M 6C/6A LC+S4/21	12LD477/2	13,6	15	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P2M 6C/8A LC+S4/21	9LD625/2	17	18,9	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V50
EN VTS P2M 6C/10A LC+S4/32	11LD626/3	24	26	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V50
EN VTS P2M 7L/3A LC+S4/11	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P2M 7L/4A LC+S4/16	12LD477/2	13,6	15	R16/3L/20	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P2M 7L/5A LC+S4/21	9LD625/2	17	18,9	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P2M 7L/6A LC+S4/21	11LD626/3	24	26	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P2M 7L/7A LC+S4/32	11LD626/3	24	26	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2M 7L/8A VC+S4/32	D703LE0	33	37	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2M 7L/9A VC+S4/32	D703LE0	33	37	R16/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2M 7C/2A LC+S4/11	25LD425	10,4	11,5	R16/4L/20	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P2M 7C/3A LC+S4/11	9LD625/2	17	18,9	R16/4L/20	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P2M 7C/4A LC+S4/16	11LD626/3	24	26	R16/4L/20	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P2M 7C/5A VC+S4/21	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2M 7C/6A VC+S4/21	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2M 7C/7A VC+S4/32	D703LTE0	48	53	R26/4L/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P2M 8B/2A LC+S4/11	25LD425	10,4	11,5	R16/3L/20	80	S4/11	0,75	LA3/20	CM65 - V65
EN VTS P2M 8B/3A LC+S4/16	9LD625/2	17	18,9	R16/3L/20	80	S4/16	1,1	LA3/20	CM65 - V65
EN VTS P2M 8B/4A LC+S4/21	11LD626/3	24	26	R16/3L/20	80	S4/21	1,5	LA3/20	CM65 - V65
EN VTS P2M 8B/5A VC+S4/32	D703LE0	33	37	R26/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2M 8B/6A VC+S4/32	D703LE0	33	37	R26/3L/24	80	S4/32	2,2	LA3/24	CM65 - V65
EN VTS P2M 8F/2A LC+S4/11	12LD477/2	13,6	15	R16/4L/20	100	S4/11	0,75	LA4/20	CM80 - V65
EN VTS P2M 8F/3A LC+S4/16	9LD625/2	17	18,9	R16/4L/20	100	S4/16	1,1	LA4/20	CM80 - V65
EN VTS P2M 8F/4A LC+S4/21	11LD626/3	24	26	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2M 8F/5A VC+S4/21	D703LE0	33	37	R26/4L/24	100	S4/21	1,5	LA4/24	CM80 - V65
EN VTS P2M 8F/6A VC+S4/32	D703LTE0	48	53	R26/4L/24	100	S4/32	2,2	LA4/24	CM80 - V65
EN VTS P2M 8L/2A LC+S4/11	12LD477/2	13,6	15	R16/5L/20	125	S4/11	0,75	LA5/20	CM80 - V80
EN VTS P2M 8L/3A LC+S4/16	11LD626/3	24	26	R16/5L/20	125	S4/16	1,1	LA5/20	CM80 - V80
EN VTS P2M 8L/4A VC+S4/21	D703LE0	33	37	R26/5L/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P2M 8L/5A VC+S4/21	D703LE0	33	37	R26/5L/24	125	S4/21	1,5	LA5/24	CM80 - V80
EN VTS P2M 8L/6A VC+S4/32	D703LTE0	48	53	R26/5L/24	125	S4/32	2,2	LA5/24	CM80 - V80
EN VTS P2M 8S/2A LC+S4/11	9LD625/2	17	18,9	R16/5L/20	125	S4/11	0,75	LA5/20	CM100 - V80
EN VTS P2M 8C/3A VC+S4/16	D703LE0	33	37	R26/5L/24	125	S4/16	1,1	LA5/24	CM100 - V80
EN VTS P2M 8C/4A VC+S4/21	D703LTE0	48	53	R26/5L/24	125	S4/21	1,5	LA5/24	CM100 - V80
EN VTS P2M 8C/5A VC+S4/32	D703LTE0	48	53	R42/5L/30	125	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P2M 8C/6A VC+S4/32	D754TPE2	65	73	R42/5L/30	125	S4/32	2,2	LA5/30	CM100 - V80
EN VTS P2M 10F/1B VC+S4/11	D703LE0	33	37	R26/6L/24	125	S4/11	0,75	LA6/24	CM150 - V125
EN VTS P2M 10F/1A VC+S4/11	D703LTE0	48	53	R26/6L/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P2M 10F/2E VC+S4/11	D703LTE0	48	53	R42/6L/30	150	S4/11	0,75	LA6/30	CM150 - V125
EN VTS P2M 10F/2CD VC+S4/16	D754TPE2	65	73	R42/6L/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P2M 10F/2BC VC+S4/16	D754TPE2	65	73	R42/6L/30	150	S4/16	1,1	LA6/30	CM150 - V125
EN VTS P2M 10F/3CD VC+S4/21	D756IPE2	100	110	R75/6L/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P2M 10F/3B VC+S4/21	D756IPE2	100	110	R75/6L/30	150	S4/21	1,5	LA6/30	CM150 - V125
EN VTS P2M 12B/1B VC+S4/11	D703LTE0	48	53	R26/7L/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P2M 12B/1A VC+S4/11	D703LTE0	48	53	R42/7L/30	175	S4/11	0,75	LA7/30	CM125 - V125
EN VTS P2M 12B/2C VC+S4/21	D754TPE2	65	73	R75/7L/30	175	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P2M 12B/2B VC+S4/21	D756IPE2	100	110	R75/7L/30	175	S4/21	1,5	LA7/30	CM125 - V125
EN VTS P2M 12B/3C VC+S4/32	D756IPE2	100	110	R75/7L/30	175	S4/32	2,2	LA7/30	CM125 - V125

IDROFIRE VTS P2M

DIMENSIONI DIMENSIONS



MODELLO GRUPPO	MANDATA kit valvole	collettore	PILOTA	HM	LAT	LT	LC	L1	HQ	SQ	LLA
MODEL GROUP	DELIVERY valves kit	manifold	JOCKEY PUMP	HM	LAT	LT	LC	L1	HQ	SQ	LLA
VTS P2M	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm	mm
EN VTS P2M 6G/4A LC+S4/11	50	80 - F50	1 1/4"	997	1400	1600	1300	600	1400	230	3050
EN VTS P2M 6G/6A LC+S4/16	50	80 - F50	1 1/4"	997	1400	1800	1300	600	1401	230	3050
EN VTS P2M 6G/8A LC+S4/21	50	80 - F50	1 1/4"	997	1400	200	1300	600	1402	230	3050
EN VTS P2M 6G/10A LC+S4/32	50	80 - F50	1 1/4"	997	1500	2000	1400	700	1403	230	3050
EN VTS P2M 6G/12A LC+S4/32	50	80 - F50	1 1/4"	997	1500	2000	1400	700	1404	230	3050
EN VTS P2M 6C/4A LC+S4/11	65	80 - F50	1 1/4"	1050	1400	1800	1300	600	1405	230	3050
EN VTS P2M 6C/6A LC+S4/21	65	80 - F50	1 1/4"	1050	1400	2000	1300	600	1406	230	3050
EN VTS P2M 6C/8A LC+S4/21	65	80 - F50	1 1/4"	1050	1500	2000	1400	700	1407	230	3050
EN VTS P2M 6C/10A LC+S4/32	65	80 - F50	1 1/4"	1050	1500	2300	1400	700	1408	230	3050
EN VTS P2M 7L/3A LC+S4/11	80	100 - F65	1 1/4"	1047	1400	1800	1300	600	1409	230	3050
EN VTS P2M 7L/4A LC+S4/16	80	100 - F65	1 1/4"	1047	1400	2000	1300	600	1410	230	3050
EN VTS P2M 7L/5A LC+S4/21	80	100 - F65	1 1/4"	1047	1500	2000	1400	700	1411	230	3050
EN VTS P2M 7L/6A LC+S4/21	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1412	230	3050
EN VTS P2M 7L/7A LC+S4/32	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1413	230	3050
EN VTS P2M 7L/8A VC+S4/32	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1414	230	3050
EN VTS P2M 7L/9A VC+S4/32	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1415	230	3050
EN VTS P2M 7C/2A LC+S4/11	80	100 - F65	1 1/4"	1047	1400	1800	1300	600	1416	230	3050
EN VTS P2M 7C/3A LC+S4/11	80	100 - F65	1 1/4"	1047	1500	2000	1400	700	1417	230	3050
EN VTS P2M 7C/4A LC+S4/16	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1418	230	3050
EN VTS P2M 7C/5A VC+S4/21	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1419	230	3050
EN VTS P2M 7C/6A VC+S4/21	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1420	230	3050
EN VTS P2M 7C/7A VC+S4/32	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1421	230	3050
EN VTS P2M 8B/2A LC+S4/11	80	100 - F65	1 1/4"	1047	1400	1800	1300	600	1422	230	3050
EN VTS P2M 8B/3A LC+S4/16	80	100 - F65	1 1/4"	1047	1500	2000	1400	700	1423	230	3050
EN VTS P2M 8B/4A LC+S4/21	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1424	230	3050
EN VTS P2M 8B/5A VC+S4/32	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1425	230	3050
EN VTS P2M 8B/6A VC+S4/32	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1426	230	3050

IDROFIRE VTS P2M**DIMENSIONI DIMENSIONS**

MODELLO GRUPPO	MANDATA kit valvole	collettore	PILOTA	HM	LAT	LT	LC	L1	HQ	SQ	LLA
MODEL GROUP	DELIVERY valves kit	manifold	JOCKEY PUMP	HM	LAT	LT	LC	L1	HQ	SQ	LLA
VTS P2M	DN	DN	DN AxM	mm	mm	mm	mm	mm	mm	mm	mm
EN VTS P2M 8F/2A LC+S4/11	80	100 - F65	1 1/4"	1047	1400	2000	1300	600	1427	230	3050
EN VTS P2M 8F/3A LC+S4/16	80	100 - F65	1 1/4"	1047	1500	2000	1400	700	1428	230	3050
EN VTS P2M 8F/4A LC+S4/21	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1429	230	3050
EN VTS P2M 8F/5AVC+S4/21	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1430	230	3050
EN VTS P2M 8F/6AVC+S4/32	80	100 - F65	1 1/4"	1047	1500	2300	1400	700	1431	230	3050
EN VTS P2M 8L/2A LC+S4/11	100	125 - F80	1 1/4"	1169	1400	2000	1300	600	1432	230	3050
EN VTS P2M 8L/3A LC+S4/16	100	125 - F80	1 1/4"	1169	1500	2300	1400	700	1433	230	3050
EN VTS P2M 8L/4AVC+S4/21	100	125 - F80	1 1/4"	1169	1500	2300	1400	700	1434	230	3050
EN VTS P2M 8L/5AVC+S4/21	100	125 - F80	1 1/4"	1169	1500	2300	1400	700	1435	230	3050
EN VTS P2M 8L/6AVC+S4/32	100	125 - F80	1 1/4"	1169	1500	2300	1400	700	1436	230	3050
EN VTS P2M 8C/2A LC+S4/11	100	125 - F80	1 1/4"	1169	1500	2000	1400	700	1437	230	3050
EN VTS P2M 8C/3AVC+S4/16	100	125 - F80	1 1/4"	1169	1500	2300	1400	700	1438	230	3050
EN VTS P2M 8C/4AVC+S4/21	100	125 - F80	1 1/4"	1169	1500	2300	1400	700	1439	230	3050
EN VTS P2M 8C/5AVC+S4/32	100	125 - F80	1 1/4"	1199	1500	2500	1400	700	1440	230	3050
EN VTS P2M 8C/6AVC+S4/32	100	125 - F80	1 1/4"	1199	1500	2500	1400	700	1441	230	3050
EN VTS P2M 10F/1B VC+S4/11	150	200 - F125	1 1/4"	1434	1500	2500	1400	700	1442	230	3050
EN VTS P2M 10F/1AVC+S4/11	150	200 - F125	1 1/4"	1464	1500	2500	1400	700	1443	230	3050
EN VTS P2M 10F/2EV C+S4/11	150	200 - F125	1 1/4"	1464	1500	2500	1400	700	1444	230	3050
EN VTS P2M 10F/2CD VC+S4/16	150	200 - F125	1 1/4"	1464	1500	2700	1400	700	1445	230	3050
EN VTS P2M 10F/2BC VC+S4/16	150	200 - F125	1 1/4"	1464	1500	2700	1400	700	1446	230	3050
EN VTS P2M 10F/3CD VC+S4/21	150	200 - F125	1 1/4"	1464	1600	3000	1500	700	1447	230	3050
EN VTS P2M 10F/3BV C+S4/21	150	200 - F125	1 1/4"	1464	1600	3000	1500	700	1448	230	3050
EN VTS P2M 12B/1BV C+S4/11	150	200 - F125	1 1/4"	1464	1500	2500	1400	700	1449	230	3050
EN VTS P2M 12B/1AVC+S4/11	150	200 - F125	1 1/4"	1464	1500	2500	1400	700	1450	230	3050
EN VTS P2M 12B/2CVC+S4/21	150	200 - F125	1 1/4"	1464	1500	2700	1400	700	1451	230	3050
EN VTS P2M 12B/2BV C+S4/21	150	200 - F125	1 1/4"	1464	1500	3000	1400	700	1452	230	3050
EN VTS P2M 12B/3CVC+S4/32	150	200 - F125	1 1/4"	1464	1600	3000	1500	700	1453	230	3050