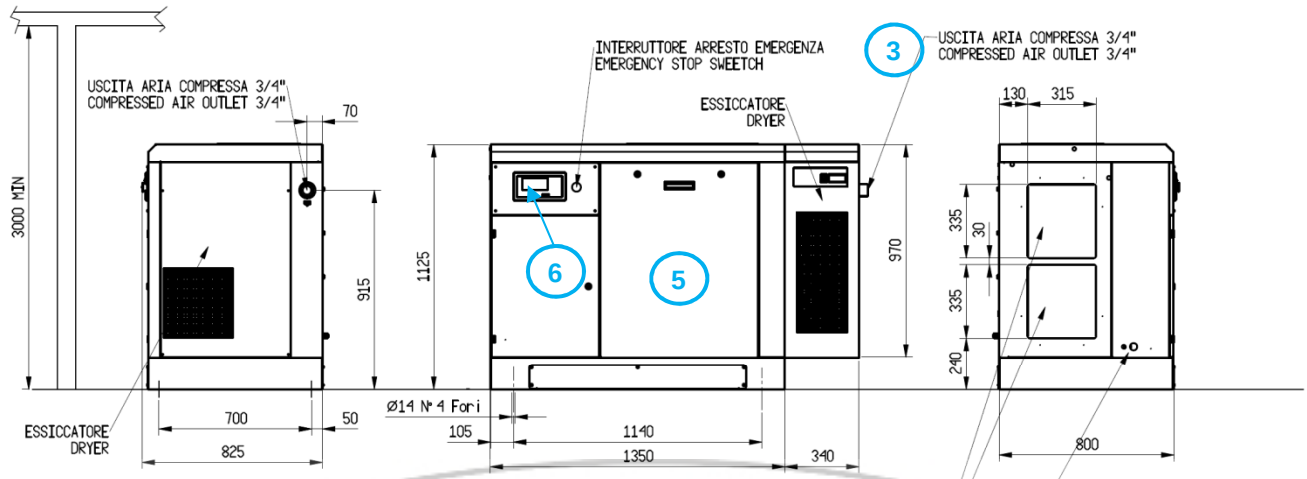
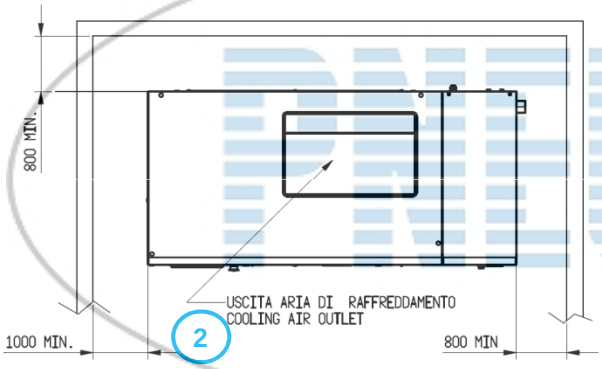
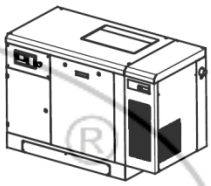
shamal	STORM 18.5 22 ES Compressore a vite – Screw compressor	Installation plan Schema di installazione	UTS 52-01 - ZZZ		
			ID rev.	Date	Rev. Date
			0	04/2015	-









1. **Ingresso aria di raffreddamento**
   Cooling air inlet
2. **Uscita aria di raffreddamento**
   Cooling air outlet
3. **Connessione aria compressa**
   Compressed air connection
4. **Alimentazione elettrica**
   Power supply
5. **Lato manutenzione**
   Service side
6. **Controllore**
   Operation Panel

Type	L	B	H	a	b	c	d	e	f	Rated motor power Potenza motore	Weight Peso	Cooling air flow Portata aria di raffreddamento	Cooling air outlet cross section Area uscita aria di raffreddamento	Compressed air connection Connessione aria compressa
STORM	mm	mm	mm	mm	mm	mm	mm	mm	mm	kW	kg	m³/h	m²	G
18.5 ES	1690	80	1130	90	296	656	1046	600	390	18.5	400	3300	0.23	3/4"
22 ES	1690	80	1130	90	296	656	1046	600	390	22	430	3300	0.23	3/4"

STORM 18.5 - 22

Model		18.5			22		
Technical features	kW/HP		18.5 / 25			22 / 30	
Working pressure	bar g	8	10	13	8	10	13
Air-end	type		FS50TF			FS50TF	
Transmission type	/		Belt			Belt	
F.a.d. *	l/min	2,800	2,500	2,150	3,350	3,000	2,400
Q.tà olio / rabbocco	l		7 / 1.5			7 / 1.5	
Max final air temperature above ambient	°C		8			8	
Re-claimable heat	kJ/h		63,300			75,240	
Fan type	/		Radial			Radial	
Fan flow rate	m3/h		3,300			3300	
Rated motor power cooling fan	kW		2 x 0.160			2 x 0,160	
Oil carry over	mg/m3		2 – 4			2 – 4	
Main Electric motor	type		160 - B35			160 - B35	
Main Motor speed	1/min		3,000			3,000	
Nominal main motor power	kW		18.5			22	
Max. power absorbed, ventilation included	kW		19.8			23.2	
Specific Power	kW/m³/1'	6.94	7.77	9.22	6.71	7.61	9.70
Main Electrical efficiency	%		92.4			92.7	
Electrical box protection class			IP54			IP54	
Min and Max working ambient temperature	°C		+2 / +45			+2 / +45	
Noise level (according Pneurop/Cagi PN2CPTC2)	dB(A)		66			68	

Electrical data			
Voltage	V/Ph	400/3~	400/3~
Auxiliary voltage	V/Ph	24/1~	24/1~
Start-up absorbed current	A	100	144
Max. absorbed current, ventilation included	A	36	43
Idle running absorbed power	kW	7,0	8,2
Main motor degree of protection IP / Insulation class		IP55 / F	IP55 / F
Main motor service factor		1,1	1,1

Protection devices			
Max oil temperature	°C	110	110
Pre-alarm Oil temperature	°C	105	105
Motor thermal relay setting	A	21	25
Safety valve setting	bar	14	14

Dimensions and weight			
Length	mm	1,350	1,350
Width	mm	800	800
Height	mm	1,125	1,125
Weight	kg	350	380
Air outlet size	G	3/4"	3/4"

Dimensions and weight + dryer			
Length	mm	1,690	1,690
Width	mm	800	800
Height	mm	1,125	1,125
Weight	kg	400	430
Air outlet size	G	3/4"	3/4"

*secondo ISO 1217 annex C

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Not available - Non previsto	-
Optional	O
Standard	X

Type - Modelli	STORM	18.5	22
Controller Controllore	ETMII	-	-
	ETIV	X	X
Motor starter Avviamento motore	Star-delta starting - Avviamento stella-triangolo	X	X
	Direct starting - Avviamento diretto	-	-
Suction control Regolatore di aspirazione	Proportional suction control - Regolatore di aspirazione proporzionale	-	-
Cooling fan Ventola raffreddamento	Air cooling with axial fan - Raffreddamento con ventola assiale	-	-
	Air cooling with radial fan - Raffreddamento con ventola radiale	X	X
Cooling system Sistema di raffreddamento	Water cooling with plate heat exchanger Raffreddamento ad acqua con scambiatore a piastre	-	-
	Water cooling with tubular heat exchanger Raffreddamento ad acqua con scambiatore a fascio tubiero	-	-
Versions - Versioni	Ground base - A terra	X	X
	Ground base with refrigerating A terra con essiccatore a refrigerazione	X	X
	On receiver 270 l - Su serbatoio da 270 litri	-	-
	On receiver 270 lt with refrigerating dryer Su serbatoio da 270 l con essiccatore a refrigerazione	-	-
	On receiver 500 l - Su serbatoio da 500 litri	-	-
	On receiver 500 lt with refrigerating dryer Su serbatoio da 500 l con essiccatore a refrigerazione	-	-
Power supply Voltaggi e frequenze	400 V/50 Hz	X	X
	220 V/50 Hz	O	O
	220 V/60 Hz	O	O
	400 V/60 Hz	O	O
	440 V/60 Hz	O	O
Motor protection-class Protezione-classe motore	IP55 - F	X	X
	IP55 - H	-	-
Cabinet Cabina	Super sound insulation (intake + exhaust) - Supersilenziamento in e out	-	-
	Cabina insonorizzata – Soundproofed Cabinet	X	X
Heat recovery Recupero calore	Preparation for heat recovery - Predisposizione per il recupero calore	-	-
	Heat recovery (plate heat exchanger) - Recupero calore (scambiatore a piastre)	-	-
OEM oil - Olio in dotazione	Foodgrade 46 cSt synthetic oil filling - Riempimento con olio minerale 46 cSt	O	O
	46 cSt synthetic oil filling - Riempimento con olio sintetico 46 cSt	X	X
Air treathment options Opzioni trattamento aria	QF 10 micron ceramic air filter - Filtro ceramico QF 10 micron	-	-
	PF 1 micron oil separator filter - Filtro disoleatore PF 1 micron	-	-
	Refrigerating dryer - Essiccatore a refrigerazione	X	X
	Cyclone separator - Separatore a ciclone	-	-
	Drayn system for filters - Sistema scaricatore per filtri	-	-
Accessories - Accessori	Flexible connecting hose - Tubo flessibile di collegamento	O	O
	Ball valve - Rubinetto a sfera	O	O
Options - Opzioni	Dust filter mats - Pannello prefiltro	O	O
	Tropics design - Disegnato per alta temperatura	X	X
	High performance intake filter - Filtro aria ad alta efficienza	O	O
	Auxiliary heating system (ex factory) - Sistema di riscaldamento ausiliario	O	O
	Direction of rotation control - Controllo senso di rotazione	X	X
	Soil indicator for air and oil separator filter Indicatore di intasamento filtro aria e separatore	-	-
	Potential free contact - Contatto pulito	-	-
	Special color - Colore personalizzato	O	O
	Service package - Kit manutenzione	O	O
	Packaging - Imballo	O	O

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