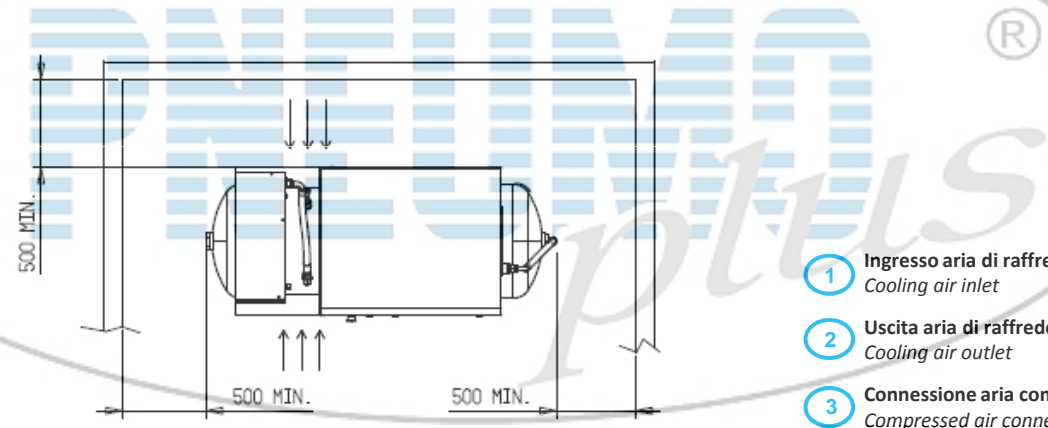
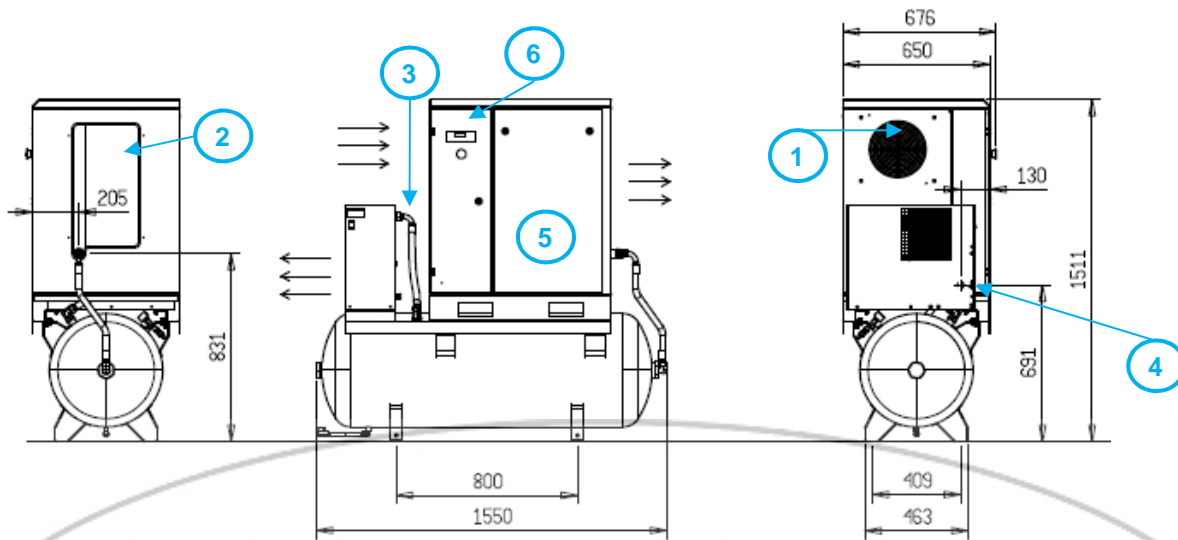




STORM 8 – 11 270 ES
Compressore a vite – Screw compressor

Installation plan
Schema di installazione

| | | |
|-----------------|---------|-----------|
| UTS 51-05 - 000 | | |
| ID rev. | Date | Rev. Date |
| 0 | 09/2015 | |



- 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 |
|------|------|-----|------|-----|-----|-----|-----|-----|-----|-------------------------------------|----------------|--|--|---|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | kW | kg | m ³ /h | m ² | G |
| 8 | 1550 | 650 | 1510 | 205 | 828 | 409 | 800 | 550 | 300 | 7.5 | 343 | 1300 | 0.16 | 3/4" |
| 11 | 1550 | 650 | 1510 | 205 | 828 | 409 | 800 | 550 | 300 | 11 | 363 | 1600 | 0.16 | 3/4" |



STORM 8 - 15

| Model | | STORM 8 | | | STORM 11 | | | STORM 15 | | |
|---|-----------------------|-----------|-------|-------|-----------|-------|-------|-----------|-------|-------|
| Technical features | kW / HP | 7.5 / 10 | | | 11 / 15 | | | 15 / 20 | | |
| Working pressure | bar g | 8 | 10 | 13 | 8 | 10 | 13 | 8 | 10 | 13 |
| Air-end | type | FS26TF | | | FS26TF | | | FS26TF | | |
| Transmission type | belt | belt | | | belt | | | belt | | |
| F.a.d.* | l/min | 1,250 | 1,000 | 750 | 1,650 | 1,500 | 1,100 | 2,150 | 1,850 | 1,500 |
| Oil quantity / Oil quantity for topping-up | l | 5.5 / 0.6 | | | 6.5 / 0.6 | | | 6.5 / 0.6 | | |
| Max final air temperature above ambient | °C | 10 | | | 15 | | | 17 | | |
| Re-claimable heat | kJ/h | 25,600 | | | 37,600 | | | 51,300 | | |
| Fan type | type | Radial | | | Radial | | | Radial | | |
| Fan flow rate | m ³ /h | 1,300 | | | 1,600 | | | 2,000 | | |
| Rated motor power cooling fan | kW | 0.16 | | | 0.24 | | | 0.24 | | |
| Oil carry over | mg/m ³ | 2-4 | | | 2-4 | | | 2-4 | | |
| Main electric motor | type | 132 - B34 | | | 132 - B34 | | | 132 - B34 | | |
| Main motor speed | 1/min | 3,000 | | | 3,000 | | | 3,000 | | |
| Nominal main motor power | kW | 7.5 | | | 11 | | | 15 | | |
| Max. power absorbed, ventilation included | kW | 8.5 | | | 11.5 | | | 15.3 | | |
| Specific power | kW/m ³ /1' | 6.80 | 8.50 | 11.34 | 6.99 | 7.69 | 10.03 | 7.14 | 8.30 | 9.91 |
| Electrical Efficiency | % | 90.1 | | | 91.2 | | | 91.9 | | |
| Machine protection class - IP | | IP54 | | | IP54 | | | IP54 | | |
| Min and Max working ambient temperature | °C | +2/+45 | | | +2/+45 | | | +2/+45 | | |
| Noise level (according Pneurop/Cagi PN2CPTC2) | dB(A) | 68 | | | 69 | | | 70 | | |

| Electrical data | | STORM 8 | | | STORM 11 | | | STORM 15 | | |
|---|------|----------|--|--|----------|--|--|----------|--|--|
| Voltage | V/Ph | 400/3~ | | | 400/3~ | | | 400/3~ | | |
| Auxiliary voltage | V/Ph | 24/1~ | | | 24/1~ | | | 24/1~ | | |
| Start-up absorbed current | A | 36 | | | 59 | | | 79 | | |
| Max. absorbed current, ventilation included | A | 15.5 | | | 24 | | | 30 | | |
| Idle running absorbed power | kW | 3.8 | | | 5.1 | | | 5.8 | | |
| Main motor degree of protection IP / Insulation class | | IP55 / F | | | IP55 / F | | | IP55 / F | | |
| Main motor service factor | | 1.1 | | | 1.1 | | | 1.1 | | |

| Protection devices | | STORM 8 | | | STORM 11 | | | STORM 15 | | |
|-----------------------------|-----|---------|--|--|----------|--|--|----------|--|--|
| Max oil temperature | °C | 110 | | | 110 | | | 110 | | |
| Pre-alarm Oil temperature | °C | 105 | | | 105 | | | 105 | | |
| Motor thermal relay setting | A | 9 | | | 14,0 | | | 17,5 | | |
| Safety valve setting | bar | 14 | | | 14 | | | 14 | | |

| Dimensions and weight | | STORM 8 | | | STORM 11 | | | STORM 15 | | |
|-----------------------|----|---------|--|--|----------|--|--|----------|--|--|
| Length | mm | 800 | | | 800 | | | 800 | | |
| Width | mm | 700 | | | 700 | | | 700 | | |
| Height | mm | 980 | | | 980 | | | 980 | | |
| Weight | kg | 185 | | | 200 | | | 235 | | |
| Air outlet size | G | 3/4" | | | 3/4" | | | 3/4" | | |

| Dimensions and weight + tank | | STORM 8 | | | STORM 11 | | | STORM 15 | | |
|---|----|---------|---|---|----------|---|---|----------|---|---|
| Length | mm | 270 | - | - | 270 | - | - | - | - | - |
| Width | mm | 1,550 | - | - | 800 | - | - | - | - | - |
| Height | mm | 700 | - | - | 700 | - | - | - | - | - |
| Weight | kg | 1,510 | - | - | 1,510 | - | - | - | - | - |
| Air outlet size | G | 245 | - | - | 260 | - | - | - | - | - |
| | G | 3/4" | - | - | 3/4" | - | - | - | - | - |
| Dimensions and weight + tank + dryer | kg | 343 | - | - | 363 | - | - | - | - | - |
| Air outlet size | G | 3/4" | - | - | 3/4" | - | - | - | - | - |

| Dimensions and weight + tank | | STORM 8 | | | STORM 11 | | | STORM 15 | | |
|---|----|---------|--|--|----------|--|--|----------|--|--|
| Length | mm | 500 | | | 500 | | | 500 | | |
| Width | mm | 1,980 | | | 1,980 | | | 1,980 | | |
| Height | mm | 700 | | | 700 | | | 700 | | |
| Weight | kg | 1,630 | | | 1,630 | | | 1,630 | | |
| Air outlet size | G | 307 | | | 322 | | | 357 | | |
| | G | 3/4" | | | 3/4" | | | 3/4" | | |
| Dimensions and weight + tank + dryer | kg | 375 | | | 395 | | | 436 | | |
| Air outlet size | G | 3/4" | | | 3/4" | | | 3/4" | | |

* according ISO 1217 annex C



Not available - Non previsto

Optional

Standard

-

O

X

| Type - Modelli | STORM | 8 | 11 | 15 | 16 |
|--|---|---|----|----|----|
| Controller Controllore | ETMII | X | X | X | X |
| | ETMIV | - | - | - | - |
| Motor starter Avviamento motore | Star-delta starting - Avviamento stella-triangolo | X | X | 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 | 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 | - | - | - | - |
| | Ground base - A terra | X | X | X | X |
| Versions - Versioni | Ground base with refrigerating A terra con essiccatore a refrigerazione | - | - | - | - |
| | On receiver 270 l - Su serbatoio da 270 litri | X | X | - | - |
| | On receiver 270 l with refrigerating dryer Su serbatoio da 270 l con essiccatore a refrigerazione | X | X | - | - |
| | On receiver 500 l - Su serbatoio da 500 litri | X | X | X | X |
| | On receiver 500 l with refrigerating dryer Su serbatoio da 500 l con essiccatore a refrigerazione | X | X | X | X |
| | 400 V/50 Hz | X | X | X | X |
| Power supply Vtaggi e frequenze | 220 V/50 Hz | O | O | O | O |
| | 220 V/60 Hz | O | O | O | O |
| | 400 V/60 Hz | O | O | O | O |
| | 440 V/60 Hz | O | O | O | O |
| | IP55 - F | X | X | X | X |
| Motor protection-class Protezione-classe motore | IP55 - H | - | - | - | - |
| Cabinet Cabina | Super sound insulation (intake + exhaust) - Suprsilenziamento in e out | - | - | - | - |
| | Cabina insonorizzata - Sounproofed Cabinet | X | X | 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 | O | O |
| | 46 cSt synthetic oil filling - Riempimento con olio sintetico 46 cSt | X | X | X | X |
| Air treatment 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 | X | X |
| | Cyclone separator - Separatore a ciclone | - | - | - | - |
| Accessories - Accessori | Drayn system for filters - Sistema scaricatore per filtri | - | - | - | - |
| | Flexible connecting hose - Tubo flessibile di collegamento | O | O | O | O |
| Options - Opzioni | Ball valve - Rubinetto a sfera | O | O | O | O |
| | Dust filter mats - Pannello prefiltro | O | O | O | O |
| | Tropics design - Disegnato per alta temperatura | X | X | X | X |
| | High performance intake filter - Filtro aria ad alta efficienza | O | O | O | O |
| | Auxiliary heating system (ex factory) - Sistema di riscaldamento ausiliario | O | O | O | O |
| | Direction of rotation control - Controllo senso di rotazione | X | X | 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 | O | O |
| | Service package - Kit manutenzione | O | O | O | O |
| Packaging - Imballo | O | O | O | O | |