# SCREW AIR-END COMPONENTS

## CATALOGO COMPONENTI GRUPPI VITE

Fini COMPRESSORS

MADE IN ITALY

**04 / 2013** { ITALIANO - ENGLISH }

# COMPANY Profile

**Compressed air since 1952, screw compressors for 20 years.**

## Aria compressa dal 1952, compressori a vite da vent'anni.

FINI produce da oltre 20 anni gruppi pompanti a vite e tutti i principali componenti per compressori a vite.
L'intero processo produttivo si svolge negli stabilimenti italiani, ed è totalmente integrato grazie a macchine utensili all'avanguardia ed a sofisticate strumentazioni di controllo che garantiscono un elevato standard qualitativo. Un team di tecnici altamente specializzato è dedicato costantemente allo sviluppo ed al monitoraggio dei gruppi vite prodotti ed allo studio di nuovi componenti per garantire la massima affidabilità e flessibilità di utilizzo.
10 diversi modelli di blocchi vite ed una serie completa di accessori quali regolatori di aspirazione e multi-block (sistema comprensivo di valvola di minima pressione, nipplo per filtro olio, nipplo per filtro separatore), hanno decretato il successo della FINI nel mondo, rendendolo uno dei marchi di riferimento nel settore dell'aria compressa industriale.

*FINI has been producing compressor air-ends and main components for screw compressors for 20 years.*
*The entire production process, from profile design to precision machining of air-end rotors, is carried out at our facilities in Italy.*
*Our highly skilled staff are dedicated to supporting the manufacturing and assembling activities. The continuous control and monitoring of each manufacturing process grants the utmost precision at every step, in order to achieve the highest quality, supreme product reliability and flexibility of use.*
*Ten different air-ends and a wide range of screw compressor components, such as intake regulators, minimum pressure-check valves and separator blocks are all manufactured in-house, this means that FINI is established as a leading reference in the worldwide development and production of the most advanced rotary screw air compressor technology.*

## Massima flessibilità ed affidabilità

I gruppi vite FINI sono caratterizzati da rotori a profilo ottimizzato e da prestazioni eccellenti. Il processo produttivo è totalmente integrato grazie a macchine utensili all'avanguardia ed a sofisticate strumentazioni di controllo che garantiscono uno standard qualitativo ai massimi livelli.

L'esclusivo disegno **ReVerso** (di proprietà FINI) dei gruppi vite, permette l'azionamento del gruppo indifferentemente dal rotore maschio o dal rotore femmina. Questa caratteristica unica consente di rispondere ad ogni esigenza di progetto, sia in termini di prestazioni che di traino con motori elettrici o endotermici.

Un sistema CAD di modellazione solida permette di ottimizzare la disposizione dei componenti e di valutarne la resistenza. Il taglio di ogni singolo rotore avviene in quattro precise fasi di lavorazione, che permettono di raggiungere grandissima precisione di esecuzione e ripetibilità. Questo livello di accuratezza costruttiva consente l'accoppiamento indifferenziato di ciascun rotore maschio con qualsiasi rotore femmina.

Tutti i componenti sono collaudati al 100% prima della immissione sul mercato. I gruppi vite, in particolare, sono testati singolarmente dopo il loro assemblaggio ed una seconda volta quando installati sulla macchina completa. Le performance di ogni singolo elemento vengono registrate nel data base operativo FINI, permettendo la completa rintracciabilità.

*The unique and ultra modern design of the FINI air-end features one of the most advanced rotor profile designs available, providing the highest efficiency with maximum reliability and a long service life.*

*The unique '**ReVerso**' profile allows the FINI air-end to be driven by either the male or female rotor shaft. This specific feature means that the air-end is suited to a wider range of applications delivering the highest performance with added flexibility.*

*A sophisticated CAD and modelling system allows FINI to meet the most critical design elements. The most advanced rotor profile combined with the highest specification allows the optimum tip speed and maximum free air delivery performance.*

*Starting from a high grade steel raw material, the production process of the rotors goes through 4 different machining steps. The finish grinding machine allows extremely fine tolerances below 10 microns to be achieved. This level of precision means that any pair of rotors can be matched, allowing consistent performance, ease of assembly and a unique demonstration of ultimate quality*

*Our Highly trained, skilled and dedicated production team is supporting the production process through every stage in order to achieve the highest level and most consistent quality control.*

*Each process is continuously monitored in order to maintain precision and consistency at all times. This results in a constantly high level of quality which translates in to the finest product that delivers ultimate reliability and performance.*

*Following final assembly each air-end is fully tested at our specially designed test facility.*

*The performance characteristics including air flow, temperature and other values is recorded along with the individual identity of every air-end which is then logged in our systems.*

*Every air-end produced is fully traceable back to the exact time of manufacture and testing.*

# **FINI ReVerso** Profile

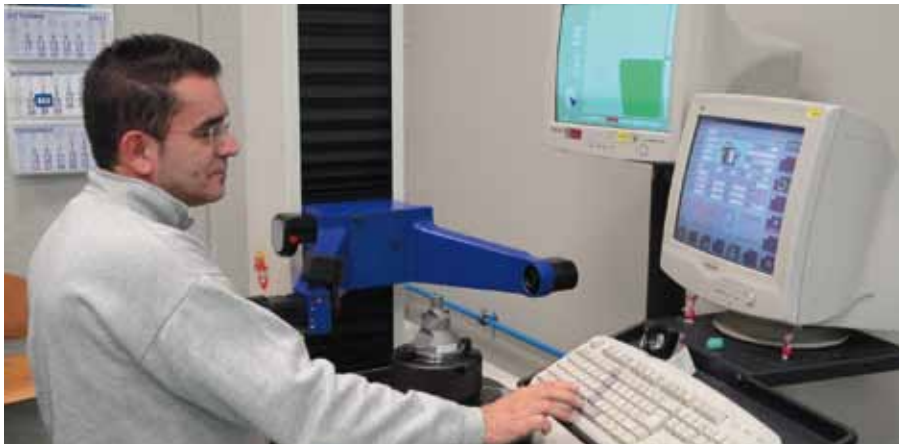
## Totally flexible, high performance air-end technology.

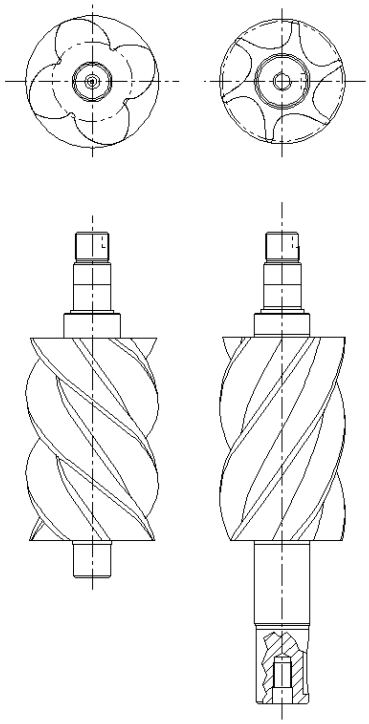
# **Innovazione** e Qualità

## Il nostro primo obiettivo.

Assemblaggi e collaudi eseguiti su linee automatizzate, sistemi robotizzati di ultima generazione, strumenti informatici per la progettazione e il controllo, sono i principali investimenti effettuati per realizzare prodotti che rispettino gli standard qualitativi del mercato.
Dal 1996, l'Azienda opera in conformità alla normativa UNI EN ISO 9001.

*Assembly and testing performed on automated lines, robotic systems of the latest generation, and computer tools for design and control are the main investments that the Company implemented to realise products that meet the market's quality standards. Since 1996, the Company has certified its quality system in compliance with UNI EN ISO 9001.*





I nostri compressori rotativi a vite sono la risposta alle esigenze dell'industria e delle piccole/medie aziende, dove l'aria compressa rappresenta una delle fonti primarie di energia.
Sono progettati per il funzionamento continuo alle più severe condizioni di utilizzo, con particolare attenzione ai consumi energetici, ai bassi costi di esercizio e manutenzione, alla facilità di installazione ed uso.

La filosofia costruttiva di FINI si basa sulla semplificazione della componentistica delle macchine scegliendo le soluzioni più affidabili ed efficienti. Da più di 15 anni, produciamo modelli a trasmissione diretta coassiale senza ingranaggi che massimizzano le prestazioni e l'affidabilità dei compressori a vite della gamma. Oggi FINI può vantare una gamma di compressori con trasmissione diretta unica sul mercato e ogni nuovo progetto persegue gli stessi obiettivi di performance e affidabilità. La gamma da 2,2 a 15 kW è disponibile anche nella versione con essiccatore e serbatoio.

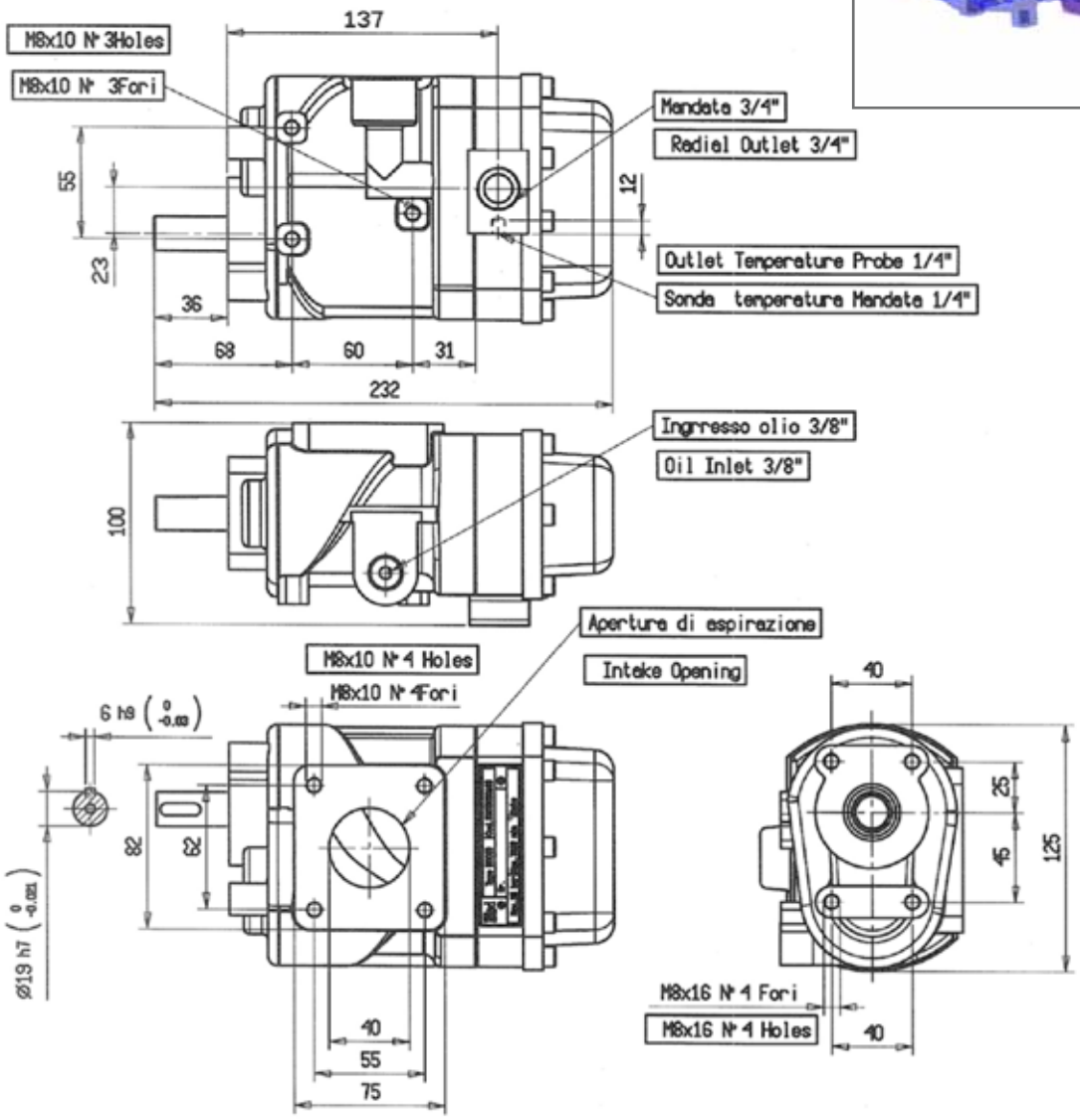
*Our rotary screw compressors are the answer to the needs of large-scale industry and small and mid-sized companies, where compressed air is one of the main sources of energy.*
*They are designed for continuous duty in very hard conditions of use. These products reflect special attention to energy consumption, low operating and maintenance costs, simple installation and easy use.*

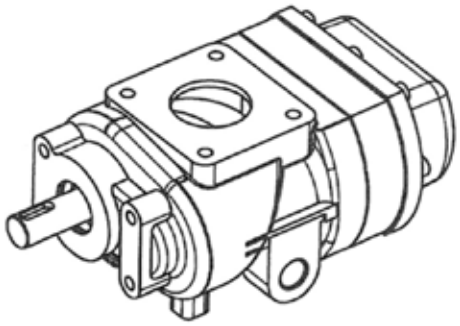
*Our construction philosophy is based on the selection and simple assembly of the most reliable and efficient technical solutions. Already since 15 years Fini Compressors is manufacturing single stage lubrified screw compressors with coaxial gearless direct drive in order to maximize the overall performance and reliabiliy. Nowadays Fini can rely on a wide range of direct driven screw compressors unique in the market and any new design activity pursue the same targets. The range from 2,2 up to 15 kW is also available with air receiver and dryer.*

# **Innovation** and Quality
## Our first target.

# GRUPPO VITE | *AIR END*

# **FS14** 2,2-5,5 kW



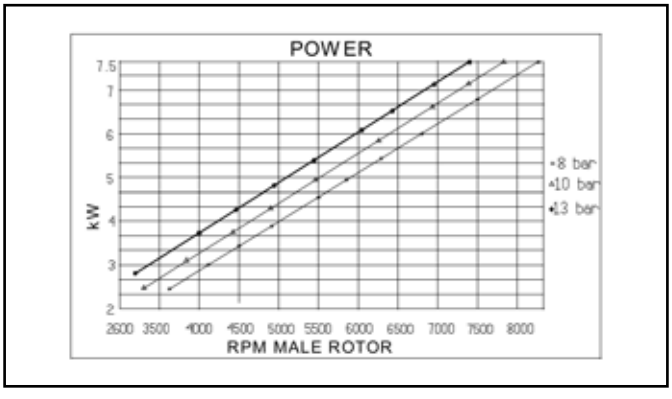
Male rotor diameter ø60h7
Female rotor diameter ø46.65h7
Male rotor driven

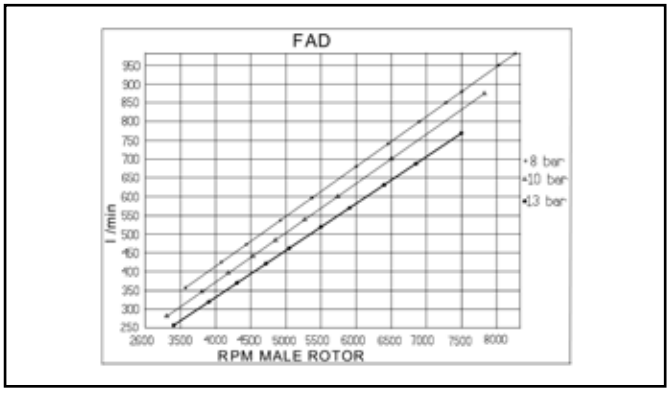
Diametro rotore maschio ø60h7
Diametro rotore femmina ø46.65h7
Trascinamento maschio

PESO 7.5kg
WEIGHT 7.5kg

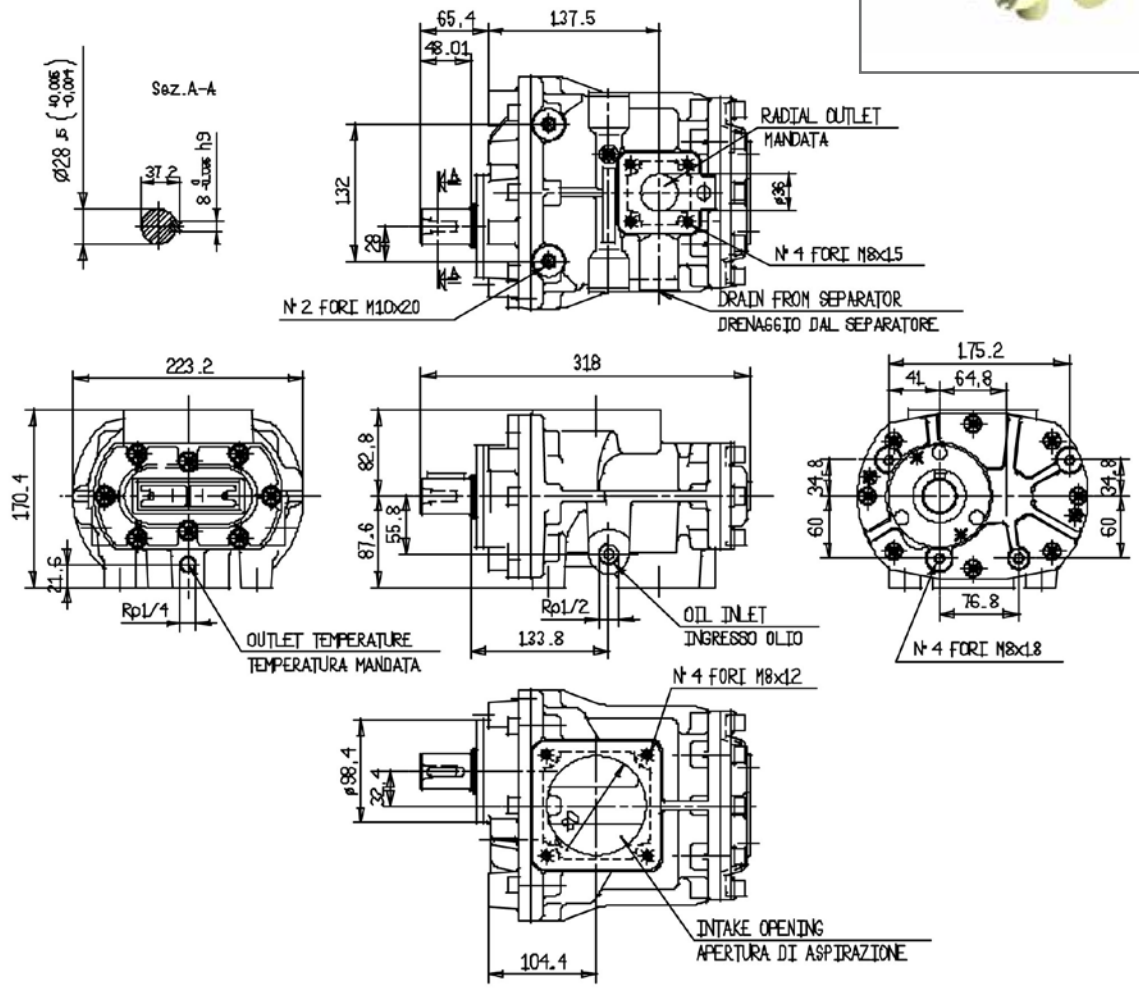
# **FS14** 2,2-7,5 kW

| Gruppo vite tipo:<br>Air-end type: | **FS14** | |
|---|---|---|
| Trasmissione<br>Drive | Accoppiamento diretto o a cinghia<br>Direct or belt coupling | |
| Diametro rotore maschio<br>Male rotor diameter | ∅60 | mm |
| Diametro rotore femmina<br>Female rotor diameter | ∅46.65 | mm |
| L/D (Lunghezza / Diametro)<br>Length / Diameter | 1.5 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 0.29-0.98 | m3/min |
| Pressione massima di lavoro<br>Maximum working pressure | 15 | bar g |
| Pressione minima di lavoro<br>Minimum working pressure | 5 | bar g |
| Portata olio iniettata (Pressione mandata 10 bar)<br>Oil injected quantity (Discharge pressure 10 bar) | 15 | l/min |
| Massima potenza assorbita<br>Maximum input power | 7.5 | kW |
| Massima velocità all'albero<br>Maximum shaft speed | 8,300 | r.p.m. |
| Minima velocità all'albero<br>Minimum shaft speed | 2,600 | r.p.m. |
| Massima velocità periferica rotore maschio<br>Maximum male rotor tip sped | V= 26.1 m/s | m/s |
| Minima velocità periferica rotore maschio<br>Minimum male rotor tip sped | V= 8.16 m/s | m/s |
| Peso<br>Weight | 7.2 | kg |
| Diametro Albero<br>Shaft diameter | ⌀19h6 | mm |

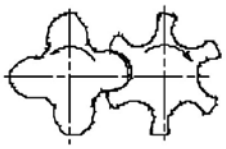


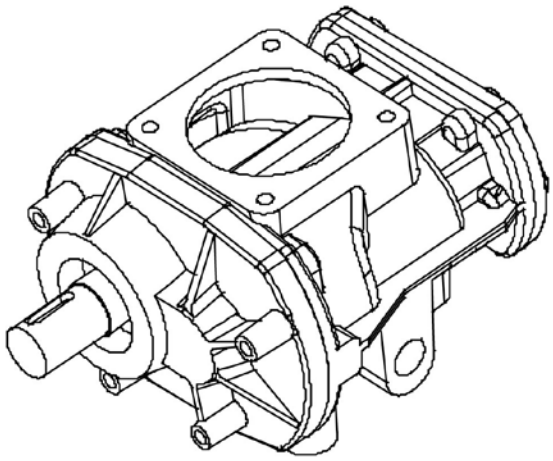
# **FS26 TM** 5,5-15 kW




Male rotor diameter ø71.5
Female rotor diameter ø67.5
Male rotor driven



Diametro rotore maschio ø71.5
Diametro rotore femmina ø67.5
Trascinamento maschio

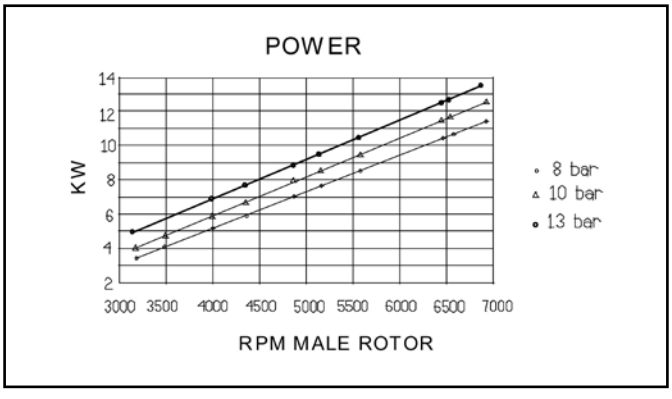


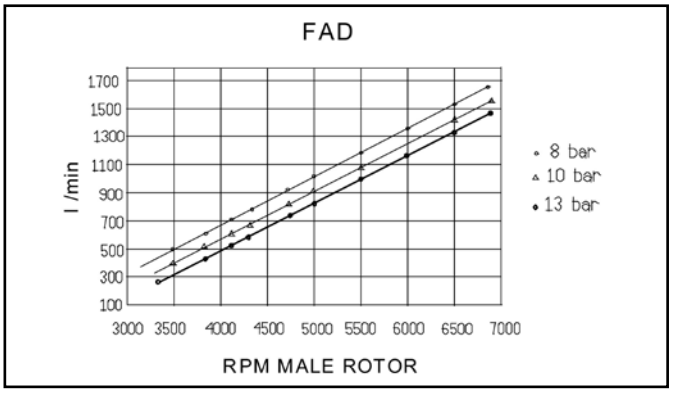
PESO 15kg

WEIGHT 15kg

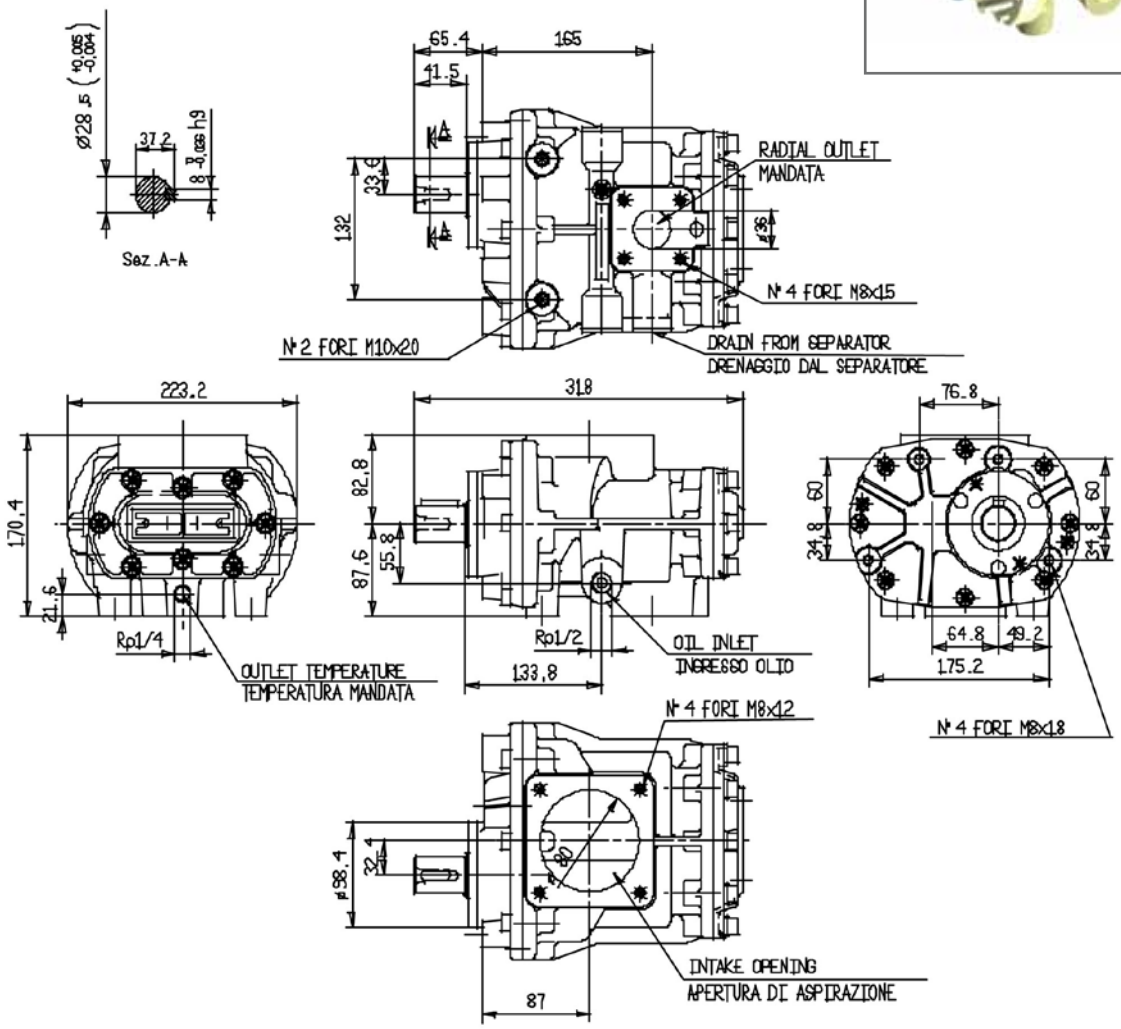
# **FS26 TM** 5,5-15 kW

| Gruppo vite tipo:<br>Air-end type: | **FS26 TM** | |
|---|---|---|
| Comando<br>Drive | Accoppiamento diretto o per cinghia<br>Direct by coupling or belt | |
| Dimensione Rotore Maschio<br>Male rotor dimension | ∅71.5 | mm |
| Diametro esterno vite condotta<br>Outside main diameter | ∅67.5 | mm |
| L/D | 1,535 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 0.46-1.8 | m3/min |
| Pressione Max lavoro<br>Max Working Pressure | 15 | bar g |
| Pressione Min lavoro<br>Min Working Pressure | 5 | bar g |
| Portata olio iniettata<br>Oil injected quantity | 25 | l/min |
| Massima potenza assorbita<br>Max input Power | 15 | kW |
| Max velocità all'albero<br>Max main rotor speed | 8000 | rpm |
| Min velocità all'albero<br>Min main rotor speed | 2100 | rpm |
| Temperatura ambiente Max / Min<br>Max / Min Ambient Temperature | 50 - 0 | °C |
| Peso<br>Weight | 15 | kg |
| Diametro Albero<br>Shaft diameter | ⌀28 k6 | mm |

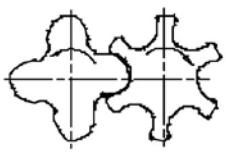


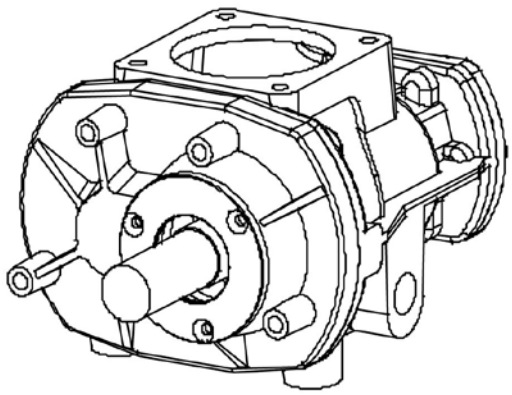
# **FS26 TF** 5,5-15 kW




Male rotor diameter ø71.5
Female rotor diameter ø67.5
Female rotor driven



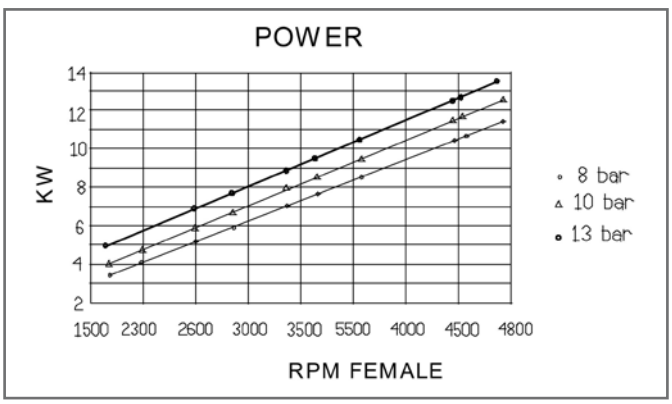
Diametro rotore maschio ø71.5
Diametro rotore femmina ø67.5
Trascinamento femmine

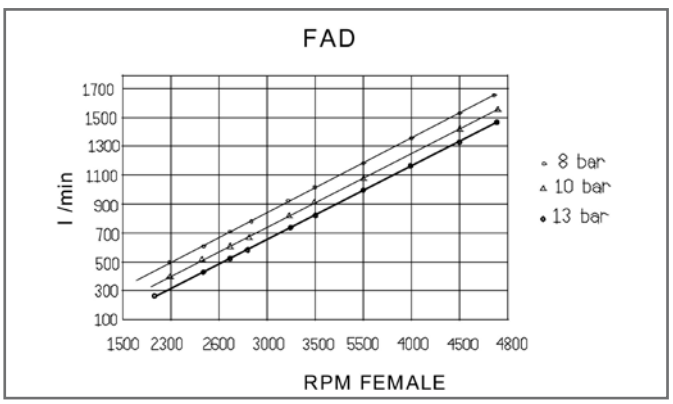


PESO 15kg
WEIGHT 15kg

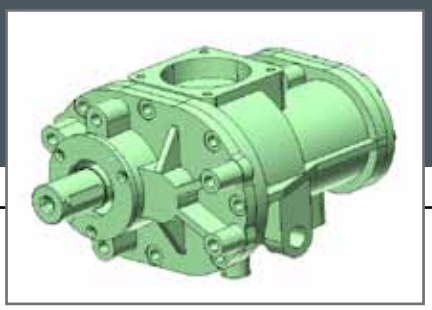
# **FS26 TF** 5,5-15 kW

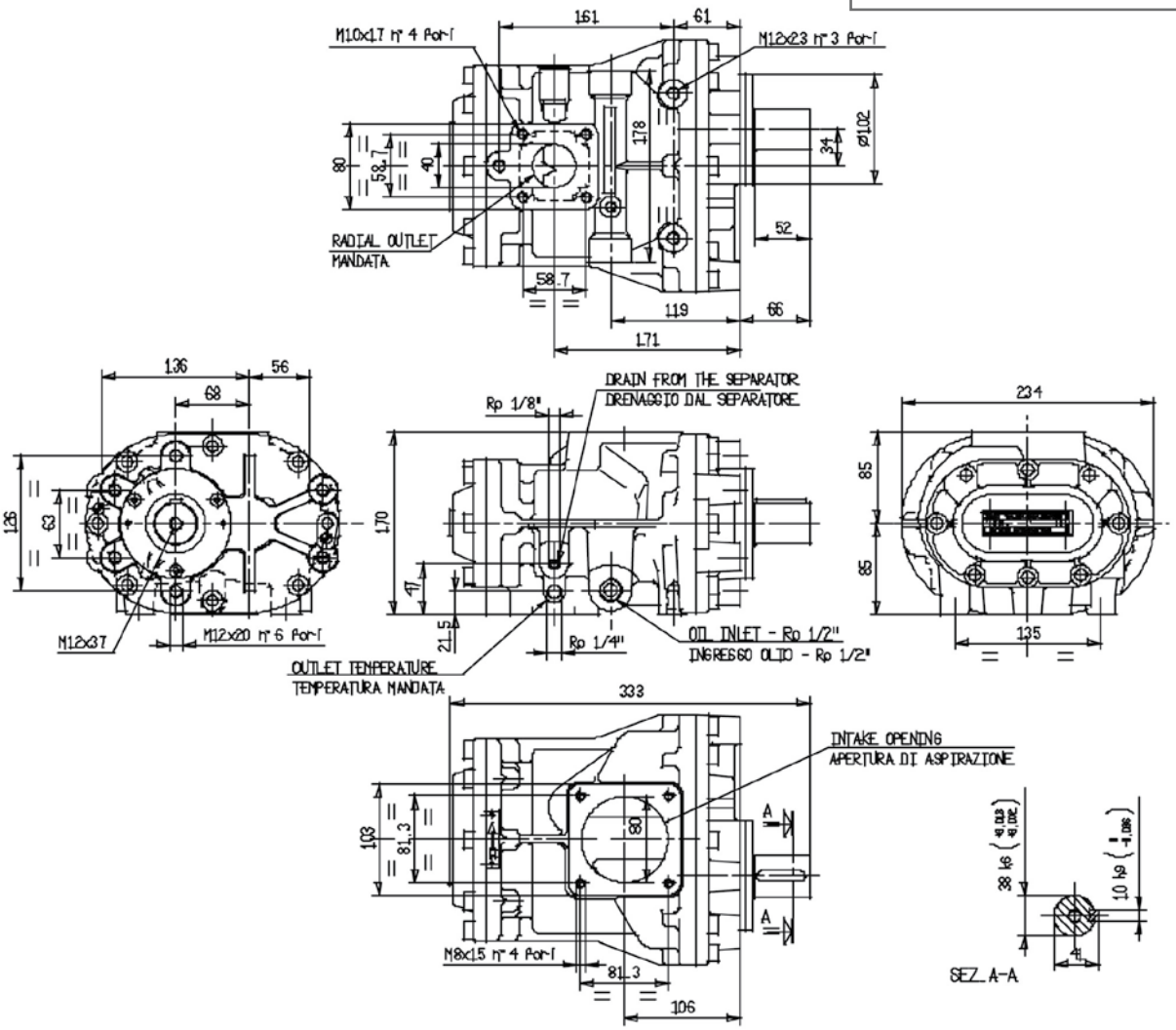
| Gruppo vite tipo:<br>Air-end type: | **FS26 TF** | |
|---|---|---|
| Comando<br>Drive | Accoppiamento diretto o per cinghia<br>Direct by coupling or belt | |
| Dimensione Rotore Maschio<br>Male rotor dimension | ∅71.5 | mm |
| Diametro esterno vite conduttrice<br>Outside main diameter | ∅67.5 | mm |
| L/D | 1,535 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 0.46-1.8 | m3/min |
| Pressione Max lavoro<br>Max Working Pressure | 15 | bar g |
| Pressione Min lavoro<br>Min Working Pressure | 5 | bar g |
| Portata olio iniettata<br>Oil injected quantity | 25 | l/min |
| Massima potenza assorbita<br>Max input Power | 15 | kW |
| Max velocità all'albero<br>Max main rotor speed | 5300 | rpm |
| Min velocità all'albero<br>Min main rotor speed | 1400 | rpm |
| Temperatura ambiente Max / Min<br>Max / Min Ambient Temperature | 50 - 0 | °C |
| Peso<br>Weight | 15 | kg |
| Diametro Albero<br>Shaft diameter | ⌀28 k6 | mm |



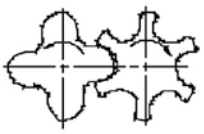



# **FS50 TM** 11-30 kW

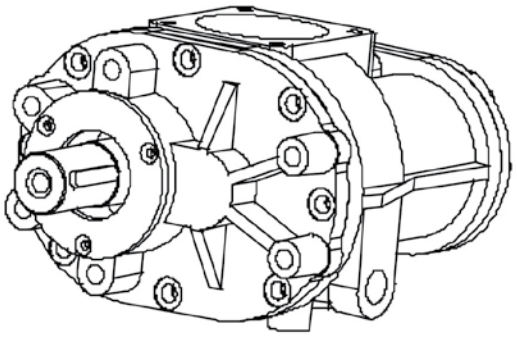





Male rotor diameter ø90
Female rotor diameter ø85
Male rotor driven



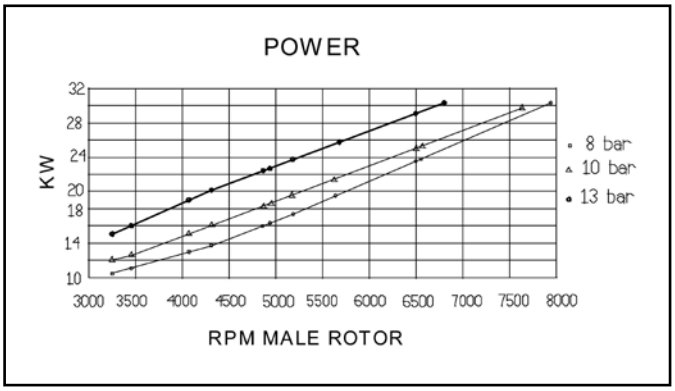
Diametro rotore maschio ø90
Diametro rotore femmina ø85
Trascinamento maschio

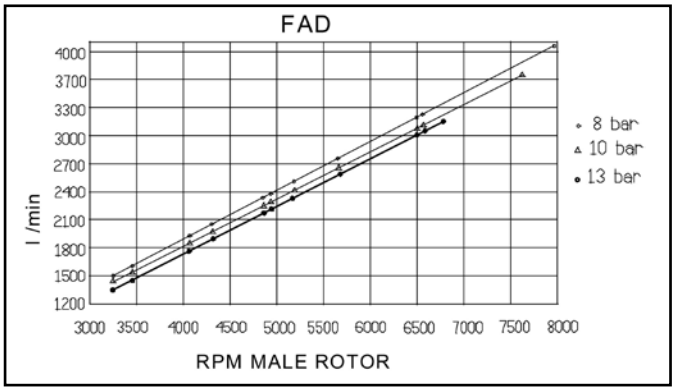


PESO 36kg
WEIGHT 36kg

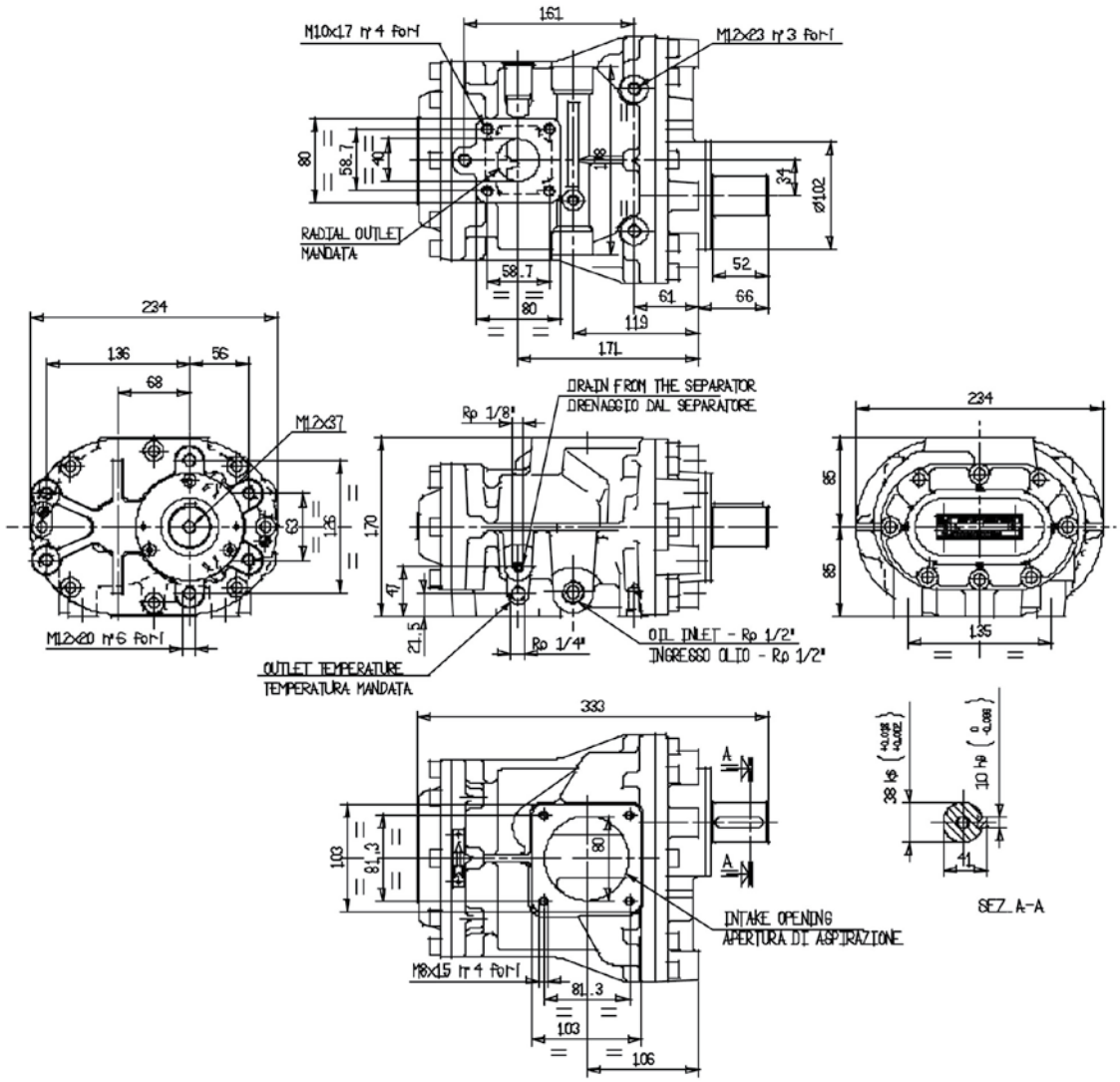
# FS50 TM 11-30 kW

| Gruppo vite tipo:<br>Air-end type: | **FS50 TM** | |
|---|---|---|
| Comando<br>Drive | Accoppiamento diretto o per cinghia<br>Direct by coupling or belt | |
| Dimensione Rotore Maschio<br>Male rotor dimension | ∅90 | mm |
| Diametro esterno vite condotta<br>Outside main diameter | ∅85 | mm |
| L/D | 1,553 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 1.3-4.2 | m3/min |
| Pressione Max lavoro<br>Max Working Pressure | 15 | bar g |
| Pressione Min lavoro<br>Min Working Pressure | 5 | bar g |
| Portata olio iniettata<br>Oil injected quantity | 32 | l/min |
| Massima potenza assorbita<br>Max input Power | 30 | kW |
| Max velocità all'albero<br>Max main rotor speed | 5300 | rpm |
| Min velocità all'albero<br>Min main rotor speed | 2100 | rpm |
| Temperatura ambiente Max / Min<br>Max / Min Ambient Temperature | 50 - 0 | °C |
| Peso<br>Weight | 36 | kg |
| Diametro Albero<br>Shaft diameter | ⌀38 k6 | mm |

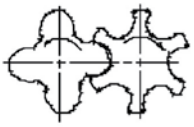


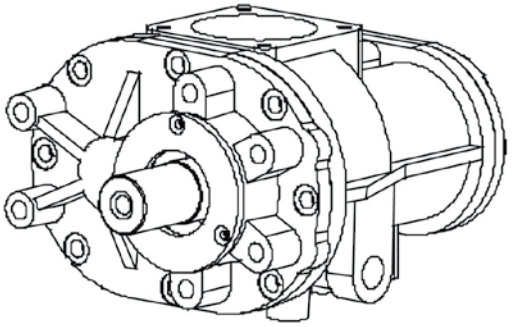
# **FS50 TF** 11-30 kW




Male rotor diameter ø90
female rotor diameter ø85
Female rotor driven



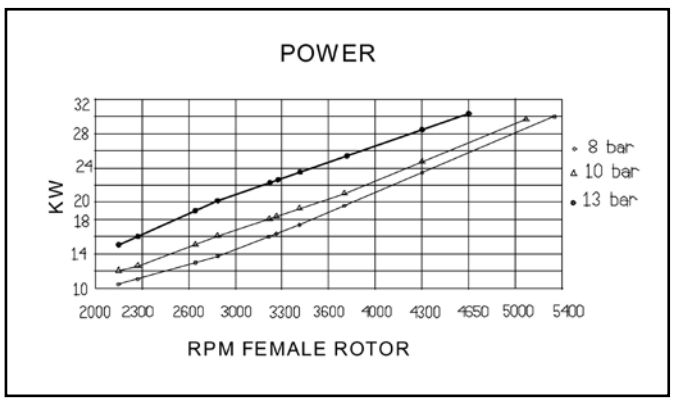
Diametro rotore maschio ø90
Diametro rotore femmina ø85
Trascinamento femmina

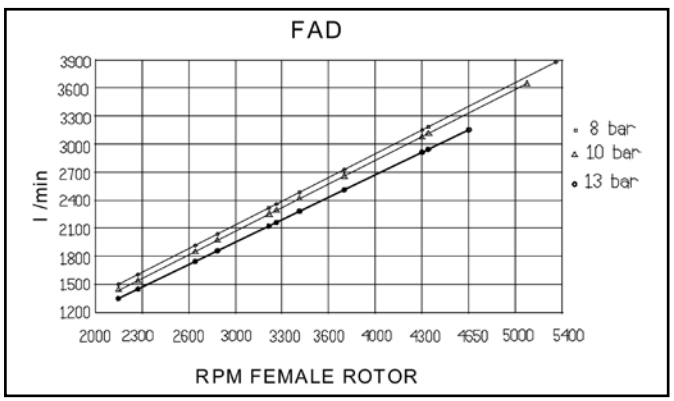


PESO 36kg
WEIGHT 36kg

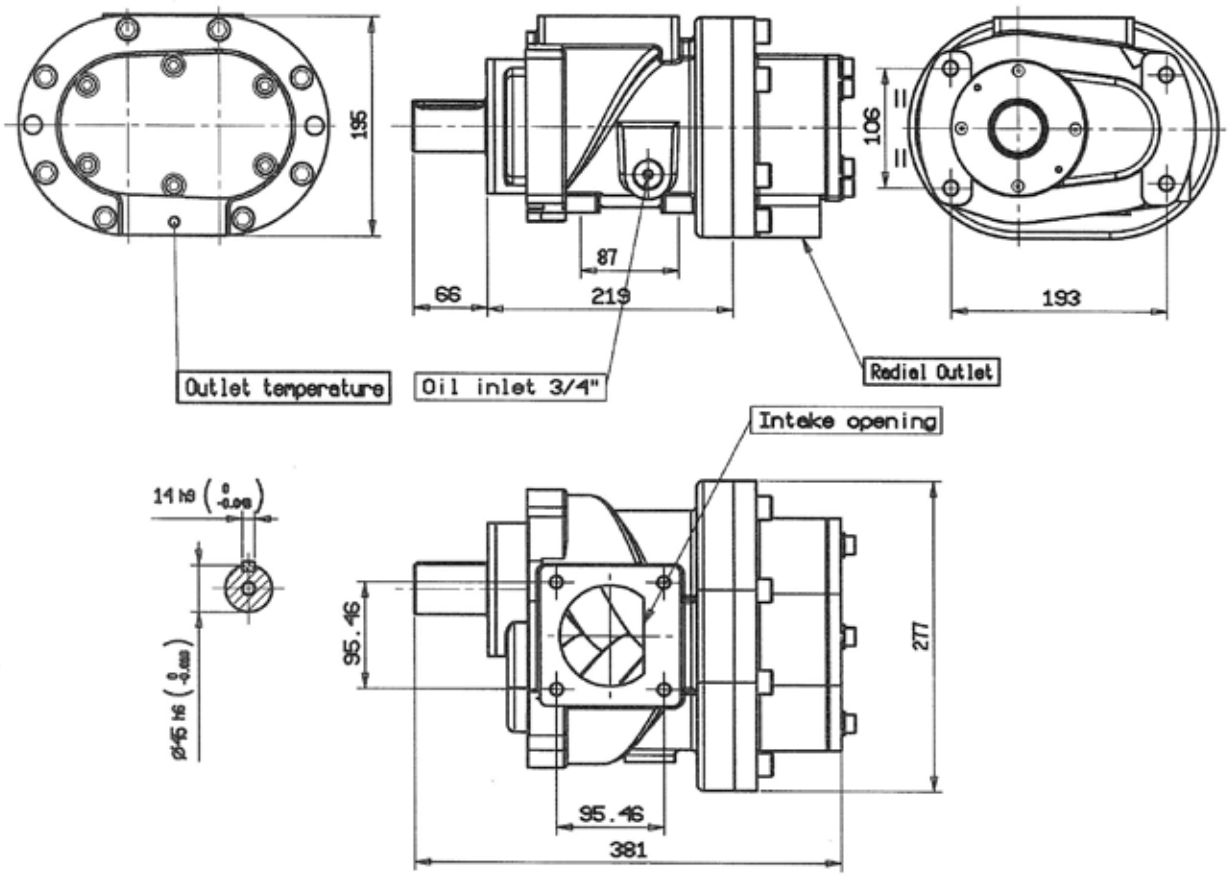
# FS50 TF 11-30 kW

| Gruppo vite tipo:<br>Air-end type: | **FS50 TF** | |
|---|---|---|
| Comando<br>Drive | Accoppiamento diretto o per cinghia<br>Direct by coupling or belt | |
| Dimensione Rotore Maschio<br>Male rotor dimension | ∅90 | mm |
| Diametro esterno vite conduttrice<br>Outside main diameter | ∅85 | mm |
| L/D | 1,553 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 1.3-4.2 | m3/min |
| Pressione Max lavoro<br>Max Working Pressure | 15 | bar g |
| Pressione Min lavoro<br>Min Working Pressure | 5 | bar g |
| Portata olio iniettata<br>Oil injected quantity | 32 | l/min |
| Massima potenza assorbita<br>Max input Power | 30 | kW |
| Max velocità all'albero<br>Max main rotor speed | 5300 | rpm |
| Min velocità all'albero<br>Min main rotor speed | 2100 | rpm |
| Temperatura ambiente Max / Min<br>Max / Min Ambient Temperature | 50 - 0 | °C |
| Peso<br>Weight | 36 | kg |
| Diametro Albero<br>Shaft diameter | ⌀38 k6 | mm |

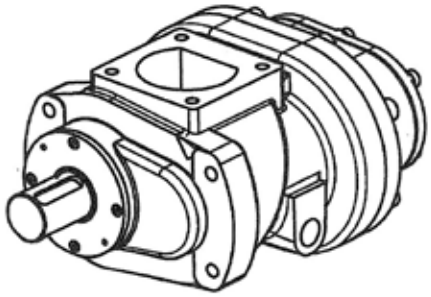


# **FS100** 22-37 kW




Male rotor diameter ø115 h6
Female rotor diameter ø93.17 h6
Male rotor driven

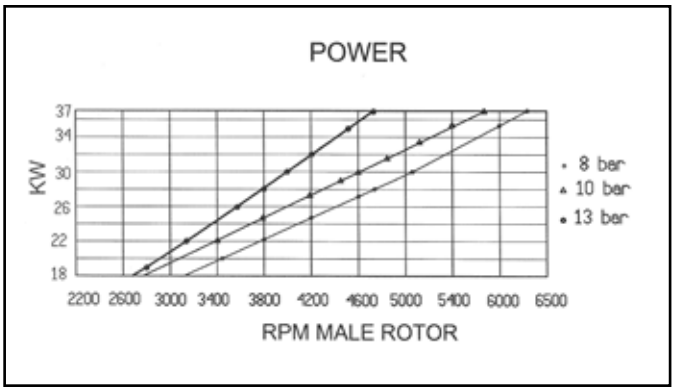


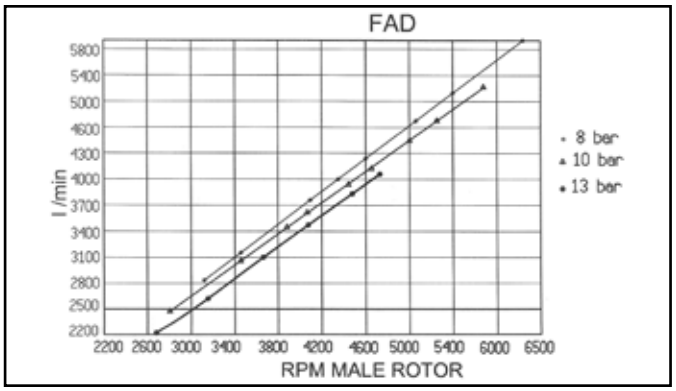
Diametro rotore maschio ø115 h6
Diametro rotore femmina ø93.17 h6
Trascinamento maschio

PESO 57kg
WEIGHT 57kg

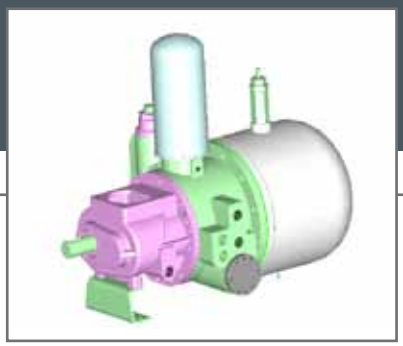
# **FS100** 22-37 kW

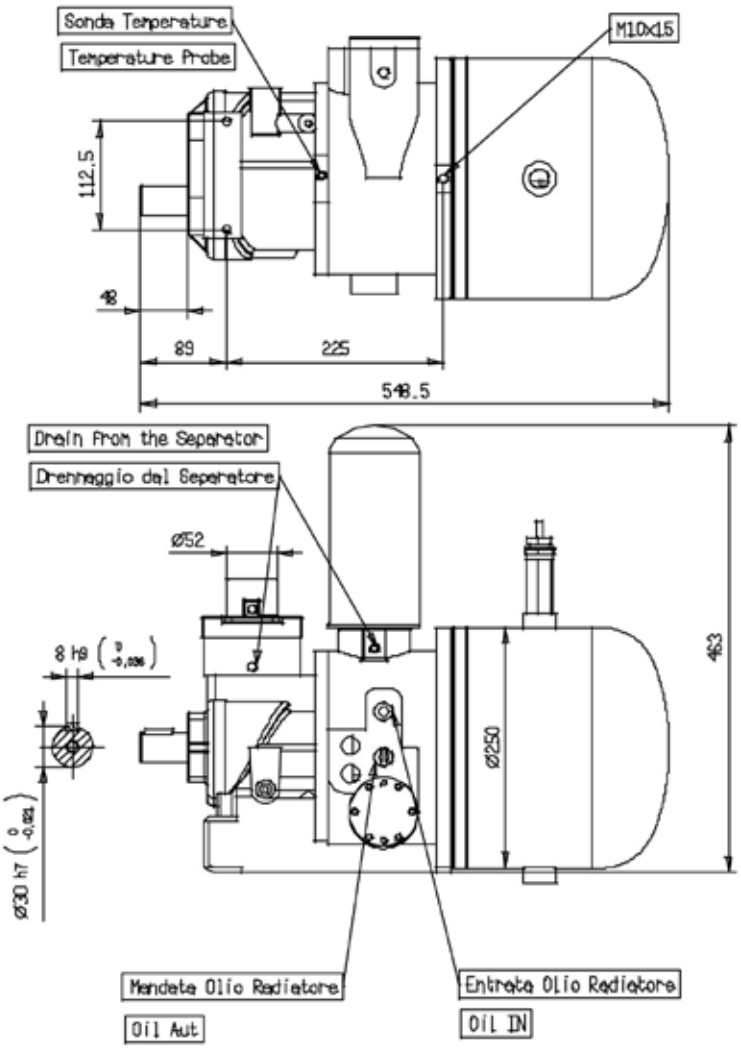
| Gruppo vite tipo:<br>Air-end type: | **FS100** | |
|---|---|---|
| Comando<br>Drive | Accoppiamento diretto o per cinghia<br>Direct by coupling or belt | |
| Dimensione Rotore Maschio<br>Male rotor dimension | Ø115 | mm |
| Diametro esterno vite condotta<br>Outside main diameter | Ø93.17 | mm |
| L/D | 1,478 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 2.3-5.9 | m3/min |
| Pressione Max lavoro<br>Max Working Pressure | 15 | bar g |
| Pressione Min lavoro<br>Min Working Pressare | 5 | bar g |
| Portata olio iniettata (Pressione mandata 10 bar)<br>Oil injected quantity (Pressure outlet 10bar) | 40 | l/min |
| Massima potenza assorbita<br>Max input Power | 37 | kW |
| Max velocità all'albero<br>Max main rotor speed | 6500 | rpm |
| Min velocità all'albero<br>Min main rotor speed | 2500 | rpm |
| Velocità Periferica Rotore Maschio Max<br>Tip sped male rotor Max | V=39.11 m/s | m/s |
| Velocità Periferica Rotore Maschio Min<br>Tip sped male rotor Min | V=15.05 m/s | m/s |
| Peso<br>Weight | 60 | kg |
| Diametro Albero<br>Shaft diameter | ⌀45h6 | mm |

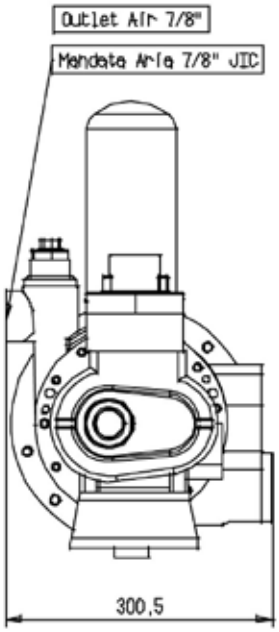


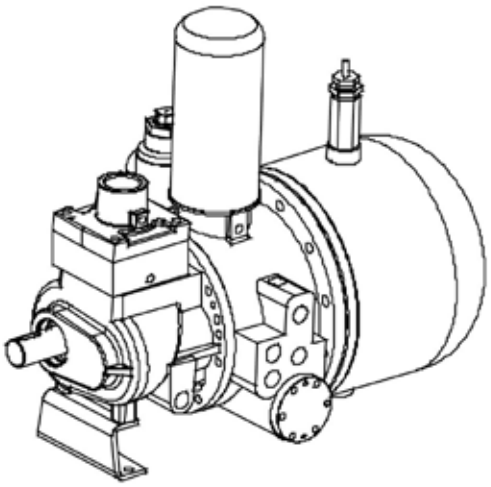



# **IKD 80** 7,5-15 kW





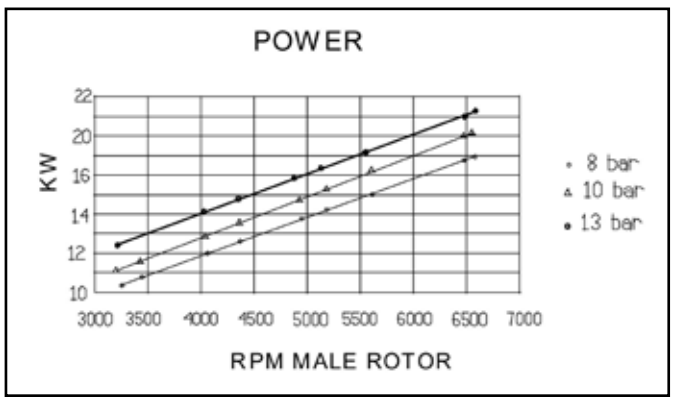
Male rotor diameter ø85h7
female rotor diameter ø68.6h7
Male rotor driven

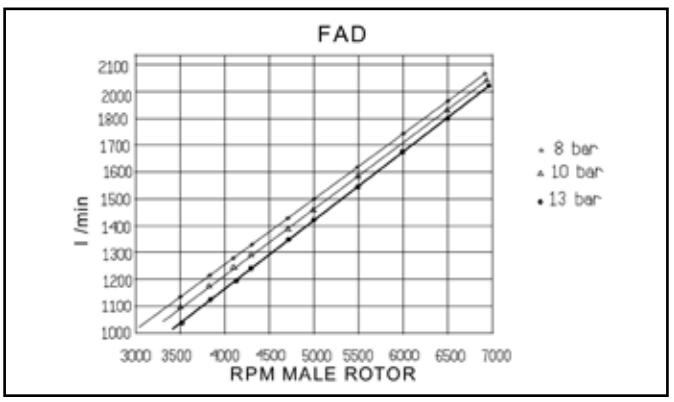
Diametro rotore maschio ø85h7
Diametro rotore femmina ø68.6h7
Trascinamento maschio

PESO 65kg
WEIGHT 65kg

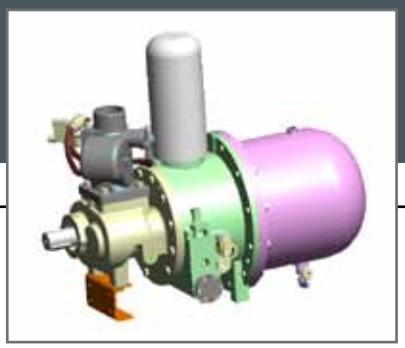
# IKD 80 7,5-15 kW

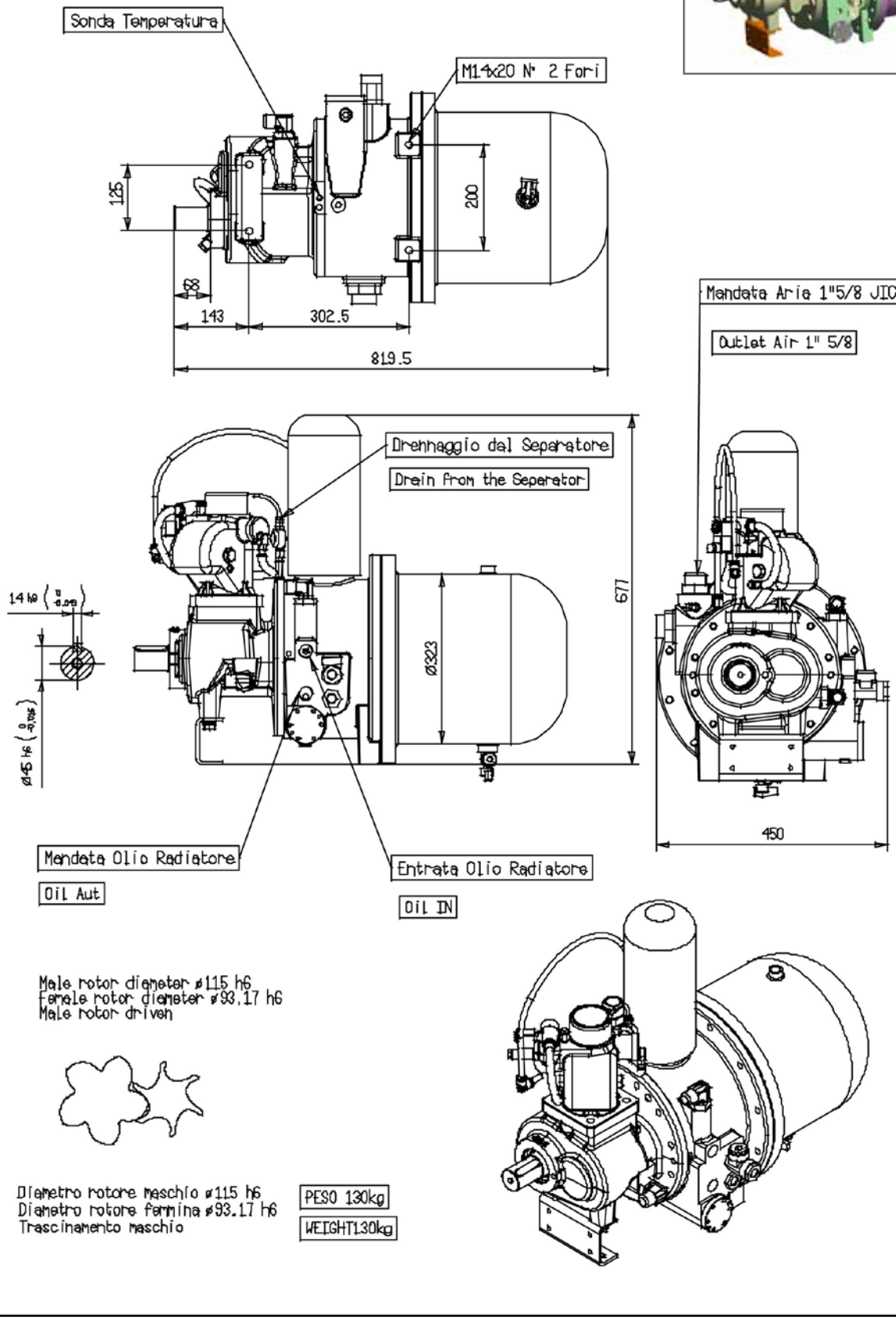
| Gruppo vite tipo:<br>Air-end type: | **IKD80** | |
|---|---|---|
| Comando<br>Drive | Accoppiamento diretto o per cinghia<br>Direct by coupling or belt | |
| Dimensione Rotore Maschio<br>Male rotor dimension | ∅85 | mm |
| Diametro esterno vite condotta<br>Outside main diameter | ∅68.86 | mm |
| L/D | 1.3 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 1-2.2 | m3/min |
| Pressione Max lavoro<br>Max Working Pressure | 15 | bar g |
| Pressione Min lavoro<br>Min Working Pressure | 5 | bar g |
| Portata olio iniettata<br>Oil injected quantity | 28 | l/min |
| Massima potenza assorbita<br>Max input Power | 20 | kW |
| Max velocità all'albero<br>Max main rotor speed | 7000 | rpm |
| Min velocità all'albero<br>Min main rotor speed | 2100 | rpm |
| Temperatura ambiente Max / Min<br>Max / Min Ambient Temperature | 50 - 0 | °C |
| Peso<br>Weight | 65 | kg |
| Diametro Albero<br>Shaft diameter | ⌀25 g5 | mm |



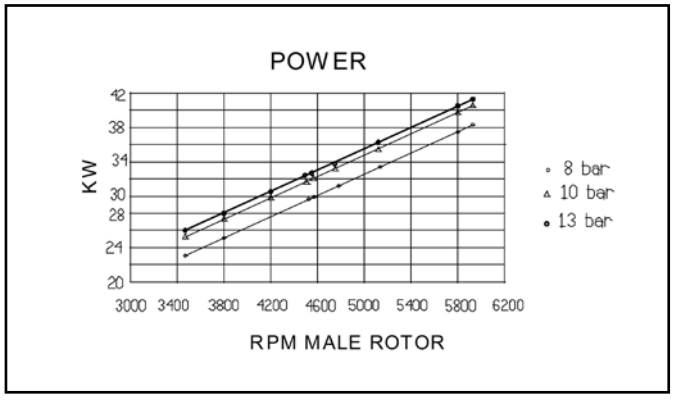
# **IKD 100-S** 22-37 kW

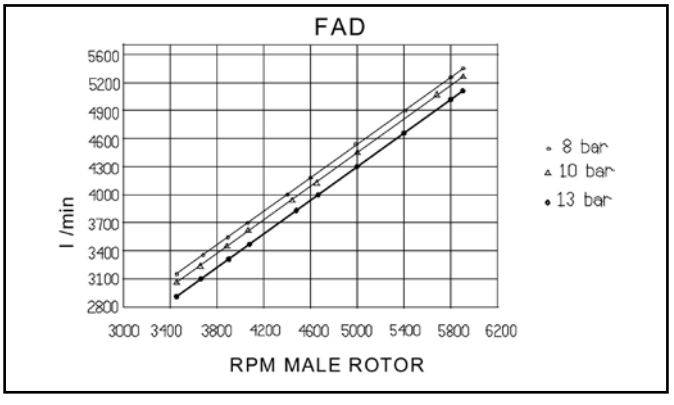




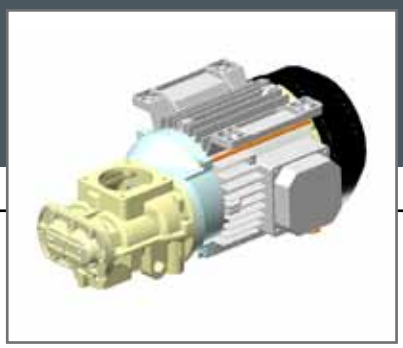
# IKD 100-S 22-37 kW

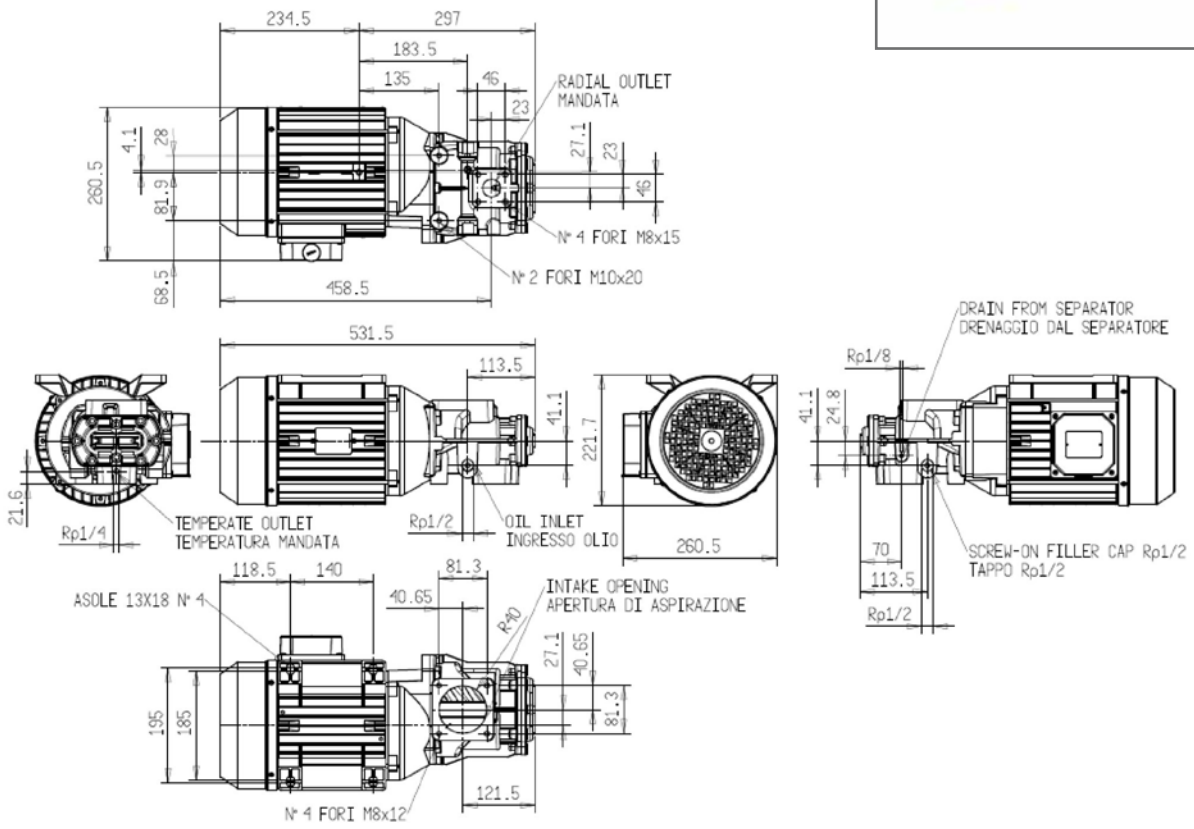
| Gruppo vite tipo:<br>Air-end type: | **IKD100S** | |
|---|---|---|
| Comando<br>Drive | Accoppiamento diretto o per cinghia<br>Direct by coupling or belt | |
| Dimensione Rotore Maschio<br>Male rotor dimension | ∅115 | mm |
| Diametro esterno vite condotta<br>Outside main diameter | ∅93.17 | mm |
| L/D | 1.478 | |
| Portata (ISO 1217 annex C 1996)<br>Air capacity | 2.8-5.9 | m3/min |
| Pressione Max lavoro<br>Max Working Pressure | 15 | bar g |
| Pressione Min lavoro<br>Min Working Pressure | 5 | bar g |
| Portata olio iniettata<br>Oil injected quantity | 40 | l/min |
| Massima potenza assorbita<br>Max input Power | 37 | kW |
| Max velocità all'albero<br>Max main rotor speed | 6500 | rpm |
| Min velocità all'albero<br>Min main rotor speed | 3000 | rpm |
| Temperatura ambiente Max / Min<br>Max / Min Ambient Temperature | 50 - 0 | °C |
| Peso<br>Weight | 130 | kg |
| Diametro Albero<br>Shaft diameter | ⌀45 h6 | mm |



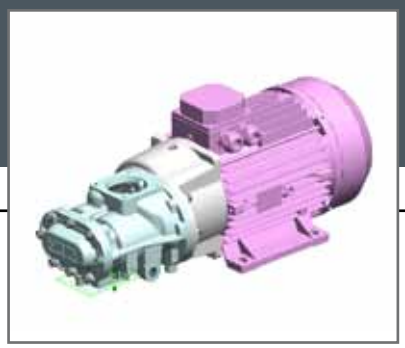
# **FSC 26** 5,5-7,5 kW

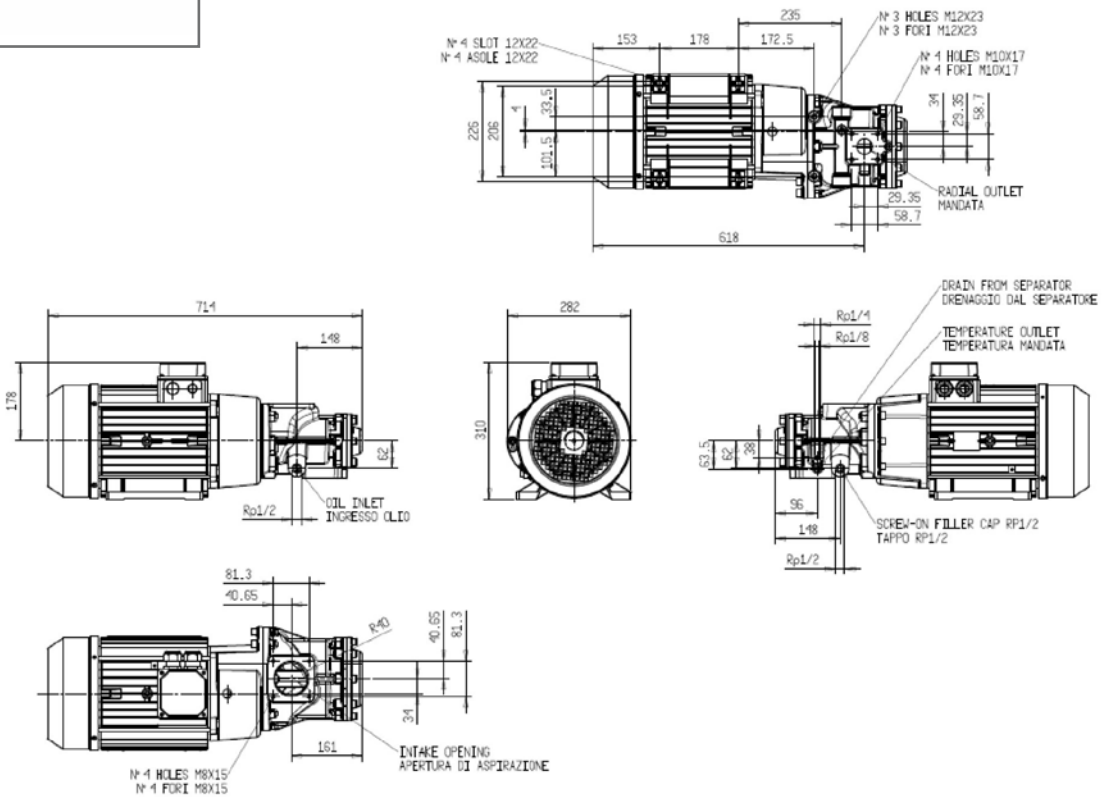





| Performance data | Model | FSC26 5,5 kW Package | | | FSC26 7,5 kW Package | | |
|---|---|---|---|---|---|---|---|
| Maximum working pressure | bar g | 8 | 10 | 13 | 8 | 10 | 13 |
| Minimum working pressure | bar g | | 5 | | | 5 | |
| Air-end | Type | FS26TFC14 | FS26TFC20 | FS26TFC | | FS26TFC | FS26TFC20 |
| Drive rotor rate | rpm | | 2850 | 1450 | | 2850 | |
| FAD (According ISO1217 annex C) | l/min | 820 | 705 | 450 | | 1050 | 700 |
| Ambient temperature min/max | ℃ | | +2/+45 | | | +2/+45 | |
| Heat rejected by ventilating fan | kJ/h | | 18800 | | | 25600 | |
| Drive motor type | Type | | 112MC/2 | | | 112MC/2 | |
| Max restarting per hour | n° | | 10 | | | 10 | |
| **Electric data** | | | | | | | |
| Input voltage main motor | V/ph/hz | | 400/3/50 | | | 400/3/50 | |
| Nominal main motor rating | kW | | 5,5 | | | 7,5 | |
| Total input power pakage incl.fan | kW | | 6,6 | | | 8,6 | |
| Full load current (400 V) | Amp | | 10,6 | | | 14,6 | |
| Starting current | Amp | | 26 | | | 34 | |
| Main motor protection degree | IP | | 55 | | | 55 | |
| Main motor insulation class | | | F | | | H | |
| **Weights and Dimensions** | | | | | | | |
| Compressed air delivery connection | pollici | | 1/2" | | | 1/2" | |
| Weight | kg | | 46 | | | 49 | |
| Package dimensions LxWxH | cm | | 53x26x23 | | | 53x26x23 | |

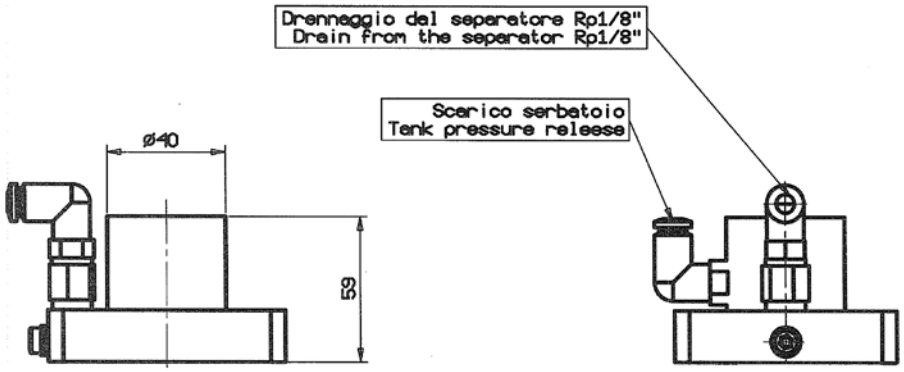
# FSC 50 11-15 kW

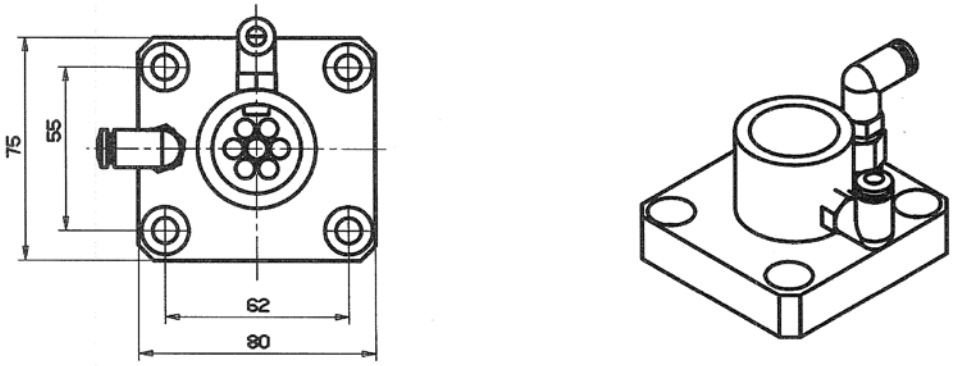





| Performance data | Model | FSC50 11 kW Package | | | FSC50 15 kW Package | | |
|---|---|---|---|---|---|---|---|
| Maximum working pressure | bar g | 8 | 10 | 13 | 8 | 10 | 13 |
| Minimum working pressure | bar g | | 5 | | | 5 | |
| Air-end | Type | FS50TFC11 | FS50TFC20 | FS50TMC | | FS50TFC | FS50TFC20 |
| Drive rotor rate | rpm | | 2850 | | | 2850 | |
| FAD (According ISO1217 annex C) | l/min | 1750 | 1550 | 1200 | | 2050 | 1600 |
| Ambient temperature min/max | ℃ | | +2/+45 | | | +2/+45 | |
| Heat rejected by ventilating fan | kJ/h | | 37600 | | | 51300 | |
| Drive motor type | Type | | 132MC/2 | | | 132MC/2 | |
| Max restarting per hour | n° | | 10 | | | 10 | |
| **Electric data** | | | | | | | |
| Input voltage main motor | V/ph/hz | | 400/3/50 | | | 400/3/50 | |
| Nominal main motor rating | kW | | 11 | | | 7,5 | |
| Total input power pakage incl.fan | kW | | 13,5 | | | 16,6 | |
| Full load current (400 V) | Amp | | 22,6 | | | 26,5 | |
| Starting current | Amp | | 68 | | | 80 | |
| Main motor protection degree | IP | | 55 | | | 55 | |
| Main motor insulation class | | | F | | | F | |
| **Weights and Dimensions** | | | | | | | |
| Compressed air delivery connection | pollici | | 3/4" | | | 3/4" | |
| Weight | kg | | 84 | | | 92 | |
| Package dimensions LxWxH | cm | | 72x28x31 | | | 72x28x31 | |

# **IR8** 2,2-5,5 kW

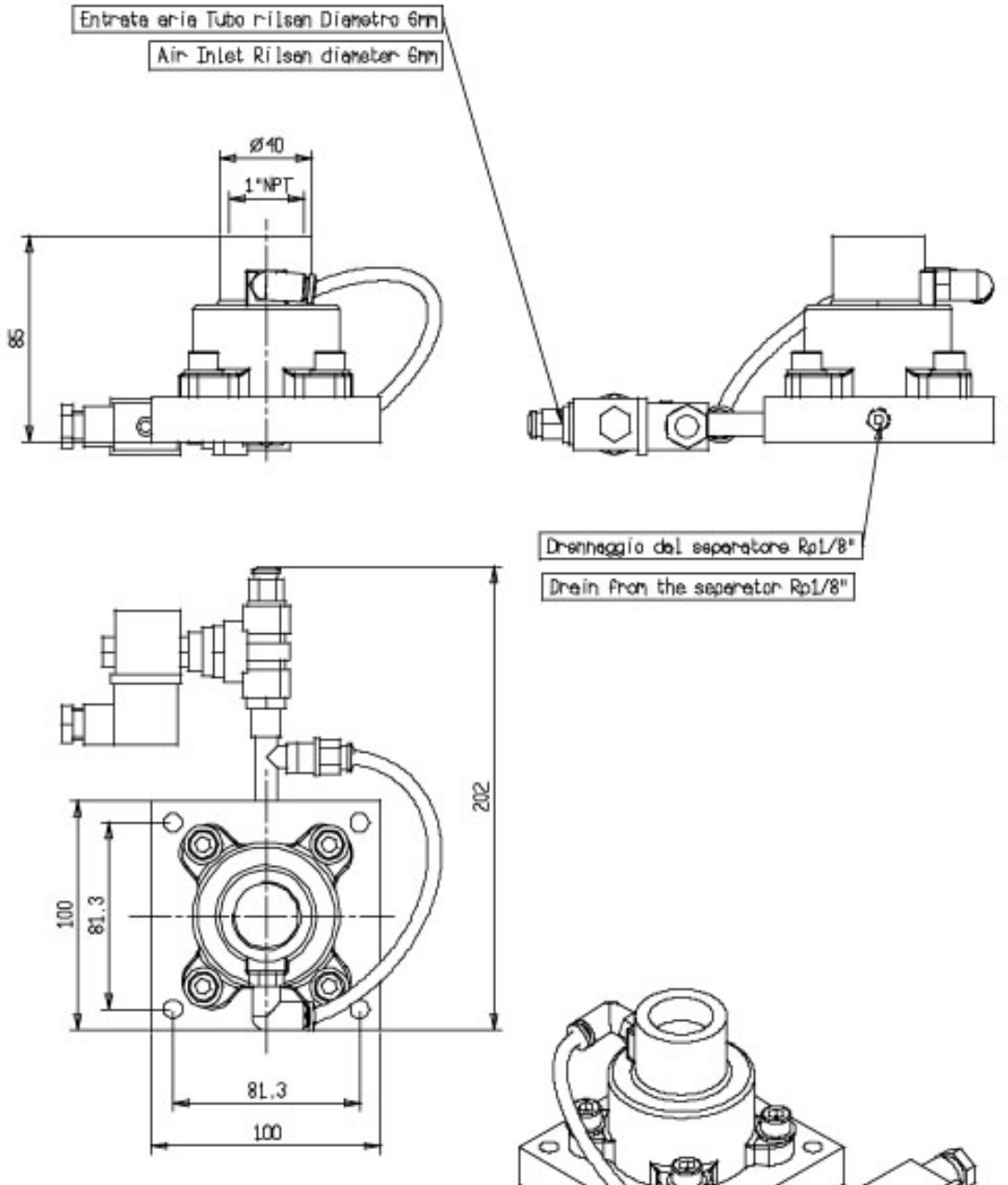


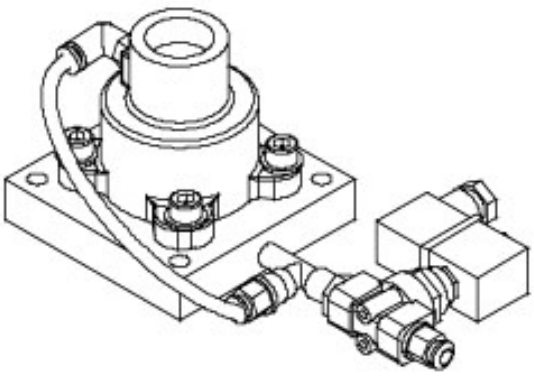




| Type | | IR8 |
|---|---|---|
| Aplication | kW | 4-5,5 |
| Max. Operating Pressure | bar | 15 |
| Operating Temperature | °C | -10 to 120 |
| Nominal Diameter | mm | 40 |
| Weight | kg | 0.3 |
| Solenoid Valve | | - |

Start-up vith suction Control Valve Normally open

# **IR10+EV** 4-7,5 kW

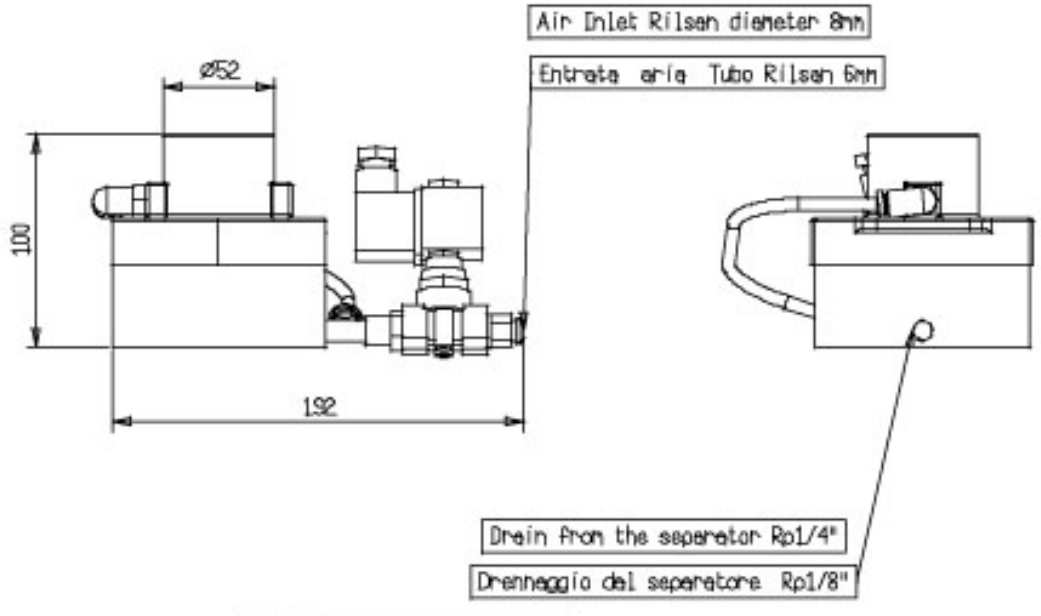


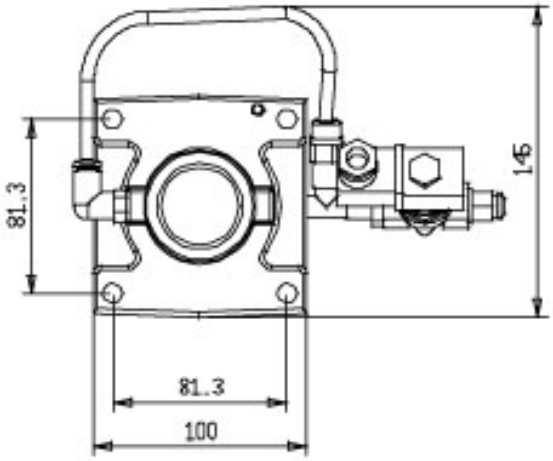



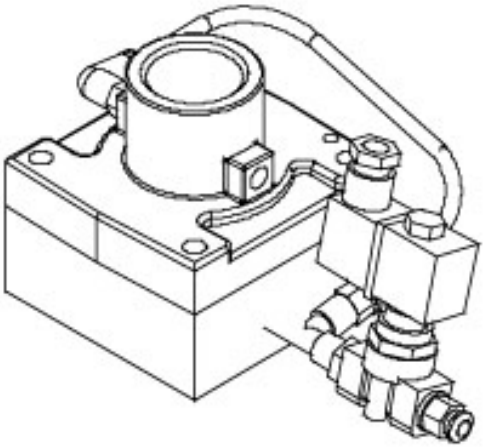
| Type | | IR10-FS26 |
|---|---|---|
| Aplication | kW | 4-7,5 |
| Max. Operating Pressure | bar | 15 |
| Operating Temperature | °C | -10 to 120 |
| Nominal Diameter | mm | 40 |
| Weight | kg | 0.6 |
| Solenoid Valve | | 24V;230V AC |

Start-up vith suction Control Valve Normally open

# IR20+EV 11-22 kW



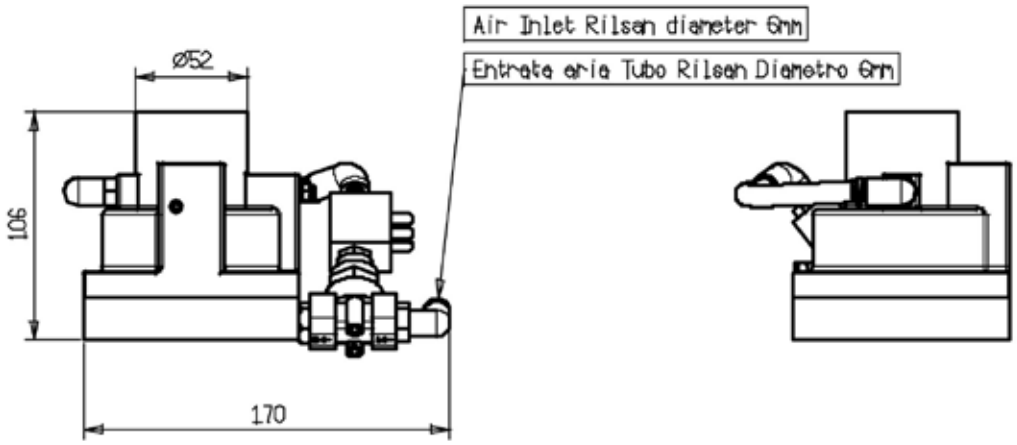



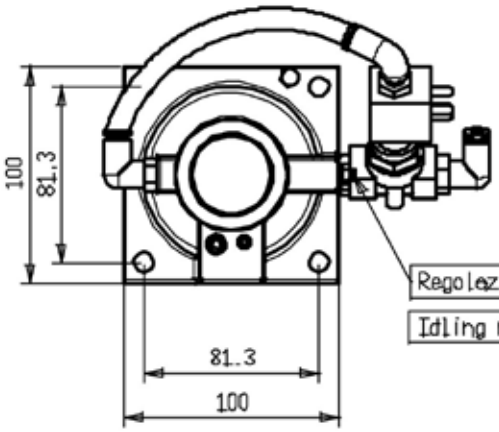



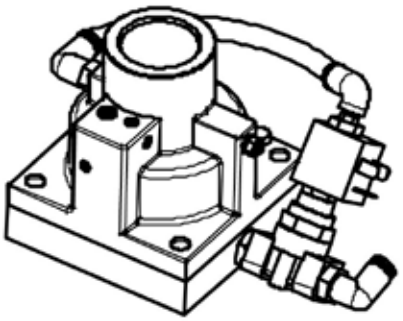
| Type | | IR20 |
|---|---|---|
| Aplication | kW | 11-22 |
| Max. Operating Pressure | bar | 15 |
| Operating Temperature | °C | -10 to 120 |
| Nominal Diameter | mm | 52 |
| Weight | kg | 1.2 |
| Air end Aplication | | FS2S FS5O |
| Solenoid Valve | | 24V;230V AC |

Start-up with suction Control Valve Normally open

# IR30+EV 11-22 kW



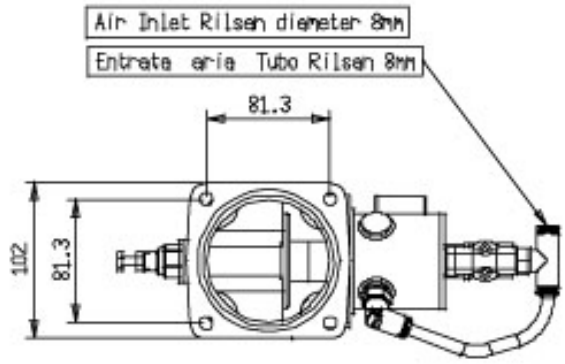



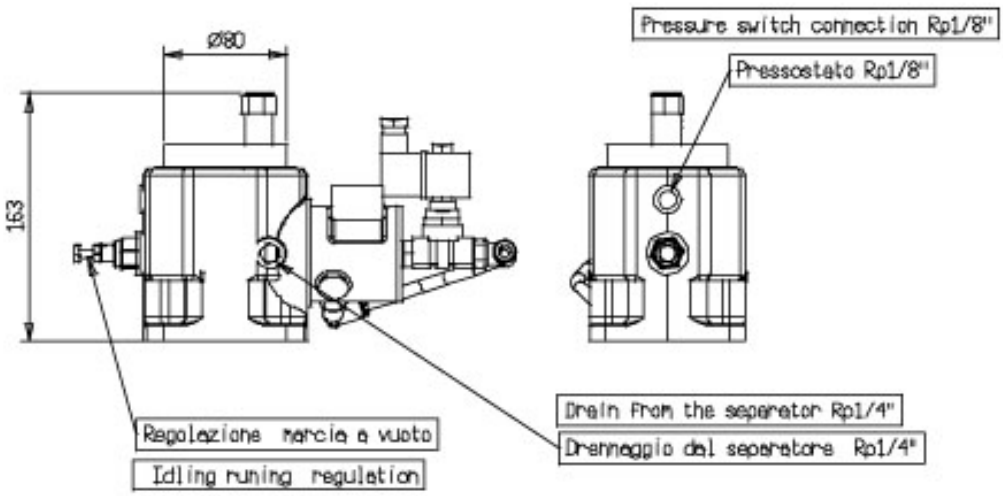



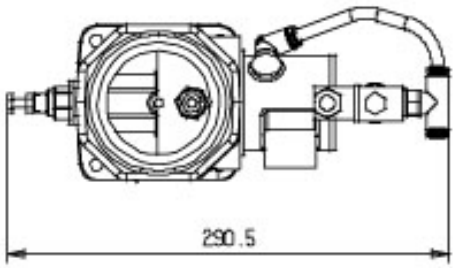
| Type | | IR 30 |
|---|---|---|
| Aplication | kW | 11-22 |
| Max. Operating Pressure | bar | 15 |
| Operating Temperature | °C | -10 to 120 |
| Nominal Diameter | mm | 52 |
| Weight | kg | 1 |
| Air end Aplication | | FS26 FS50 |
| Solenoid Valve | | 24V;230V AC |

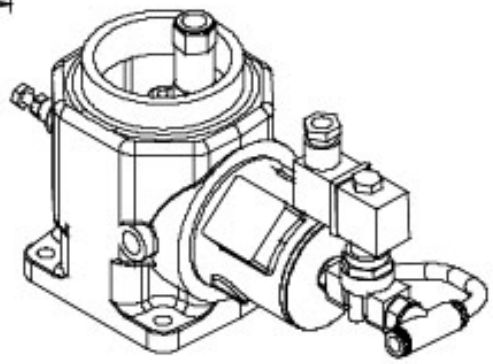
Start-up with suction Control Valve Normally open

# **IR40+EV** 22-30 kW



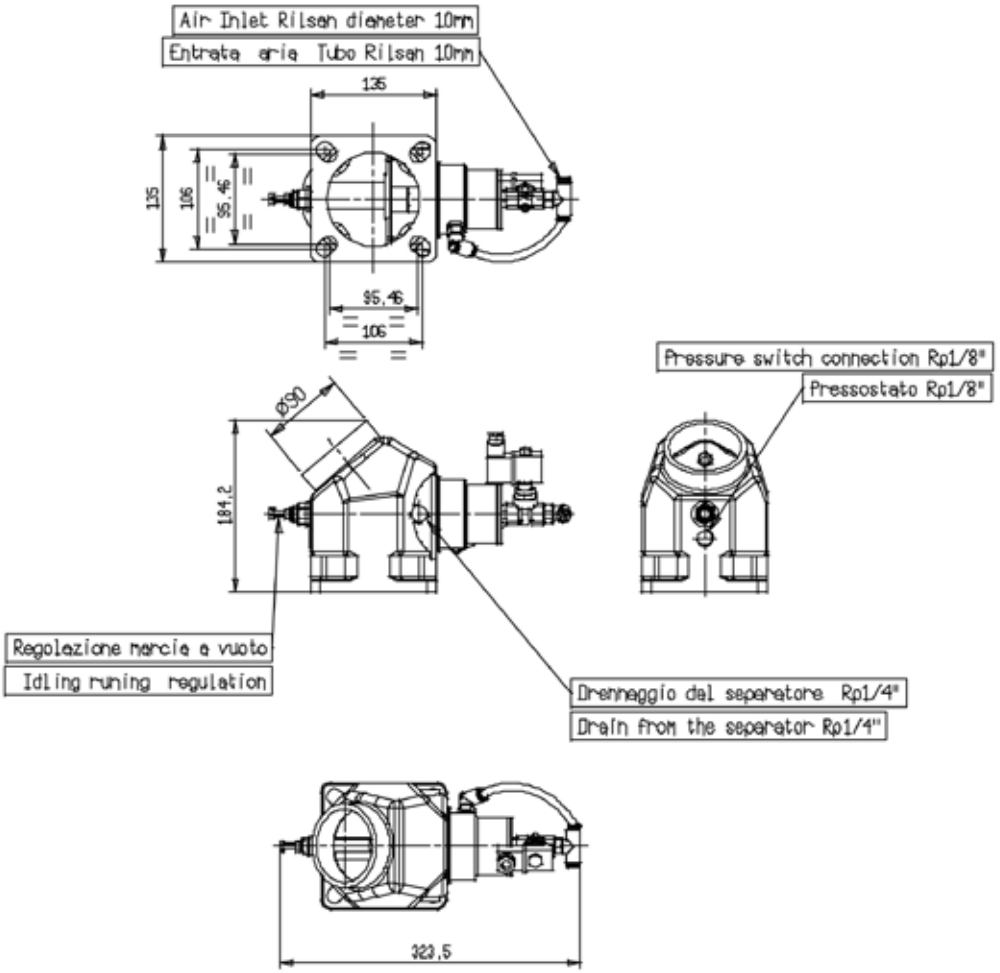



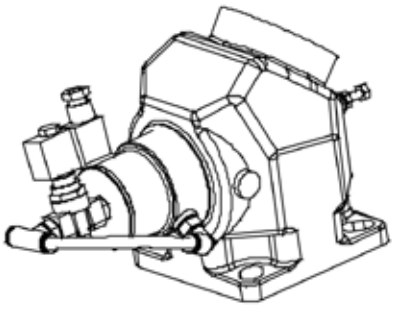
| Type | | IR40 |
|---|---|---|
| Aplication | kW | 22-30 |
| Max. Operating Pressure | bar | 15 |
| Operating Temperature | °C | -10 to 120 |
| Nominal Diameter | mm | 80 |
| Weight | kg | 2.2 |
| Air end Aplication | | FS26 FS50 |
| Solenoid Valve | | 24V;230V AC |

Start-up with suction Control Valve Normally closed

# **IR60+EV** 30-45 kW

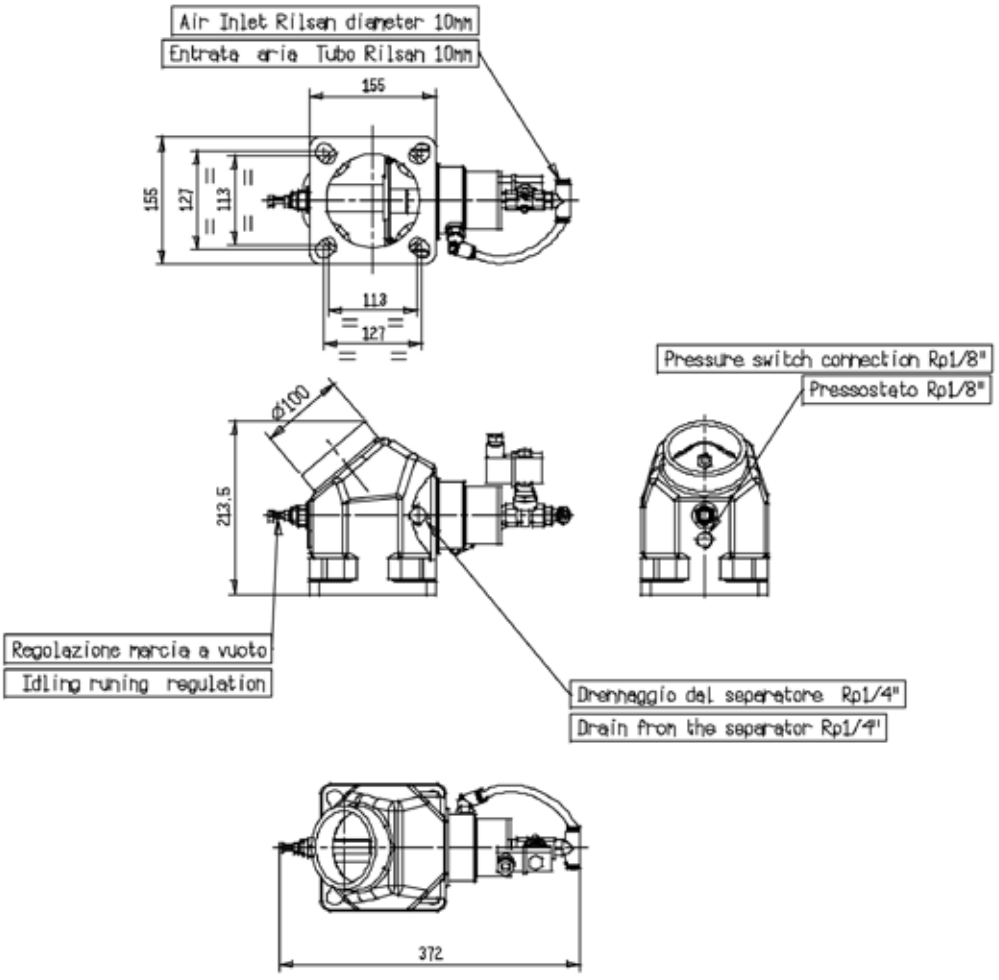



| Type | | IR60 |
|---|---|---|
| Aplication | kW | 30-45 |
| Max. Operating Pressure | bar | 15 |
| Operating Temperature | °C | -10 to 120 |
| Nominal Diameter | mm | 90 |
| Weight | kg | 3,1 |
| Air end Aplication | | FS100 ENDURO 12 |
| Solenoid Valve | | 24V;230V AC |

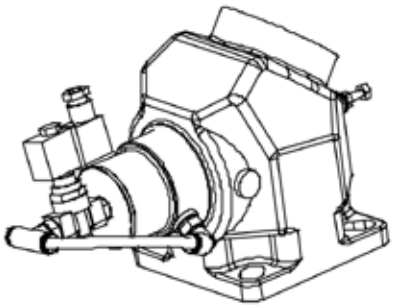


Start-up vith suction Control Valve Normelly closed

# **IR100+EV** 37-75 kW




| Type | | IR100 |
|---|---|---|
| Aplication | kW | 37-75 |
| Max. Operating Pressure | bar | 15 |
| Operating Temperature | °C | -10 to 120 |
| Nominal Diameter | mm | 100 |
| Weight | kg | 5.1 |
| Air end Aplication | | Enduro 25-FS200 |
| Solenoid Valve | | 24V;230V AC |



Start-up with suction Control Valve Normally closed

## BLOCCHI SEPARATORI CON VALVOLA DI MINIMA PRESSIONE
## *SEPARATOR BLOCKS WITH MINIMUM PRESSURE VALVE*

**SB10 + MPV** 1/2"
**(2,2-7,5 kW)**
CUBE SD - K-MID

**SB20 + MPV** 3/4"
**(7,5-15 kW)**
BSC R-EVO - K-MAX

**MB20 + MPV** 3/4"
**(2,2-15 kW)**

**MB50 + MPV** 1-1/4" **+ TERM. VALVE**
**(15-37 kW)**

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