

# Packo



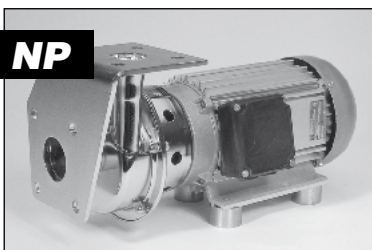
## SERIES 63, 66 & 68

**Hygienic centrifugal pump**  
**Pompe centrifuge alimentaire**  
**Hygienische Kreiselpumpen**



**SCP**

**ISP**



**NP**



**FP**

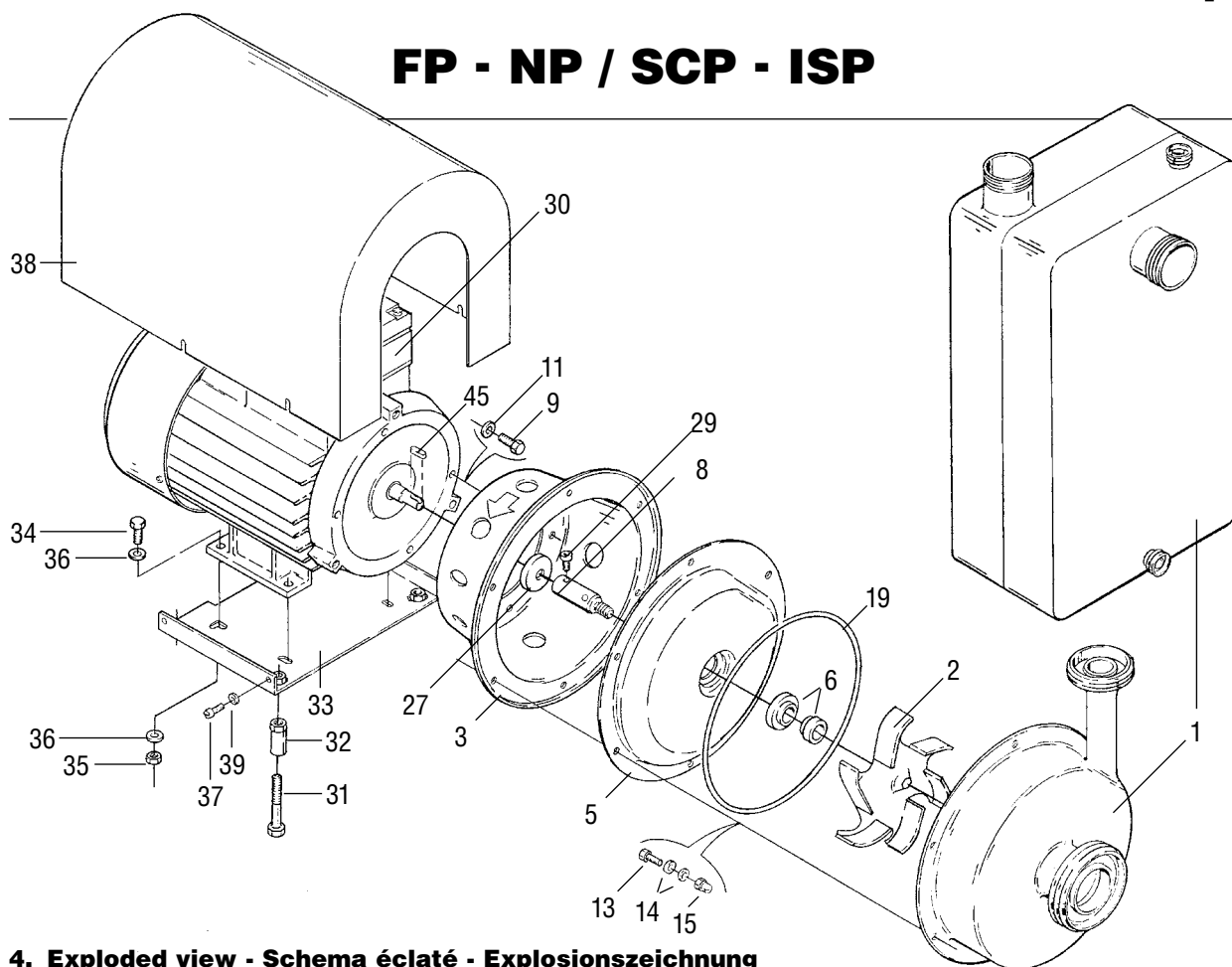


*Technical specifications, curves and dimensions*  
*Spécifications techniques, courbes et dimensions*  
*Technische Spezifikationen, Kennlinien und Maße*



## FP - NP / SCP - ISP

3



### 4. Exploded view - Schema éclaté - Explosionszeichnung

#### PARTS LIST

1. Pump casing
2. Impeller
3. Adaptor plate
5. Backplate
- \* 6. Mechanical seal
8. Pump shaft
9. Screw
11. Washer
13. Threaded stud/screw
14. Washer
15. Dome nut
- \* 19. Gasket for pump casing
27. Deflector
29. Setscrew
30. Motor
31. Adjustable foot
32. Nut
33. Motor base plate
34. Screw
35. Nut
36. Washer
37. Screw
38. Shroud
39. Washer
45. Motor key

\* Recommended spare parts

#### PIECES DETACHEES

1. Corps de pompe
2. Roue
3. Manchette de raccordement
5. Fond de pompe
- \* 6. Garniture mécanique
8. Arbre de pompe
9. Vis de fixation
11. Rondelle
13. Goujon/vis
14. Rondelle
15. Ecrou borgne
- \* 19. Joint de corps de pompe
27. Déflecteur
29. Vis de pression
30. Moteur
31. Pied réglable
32. Ecrou
33. Support moteur
34. Vis
35. Ecrou
36. Rondelle
37. Vis
38. Capot
39. Rondelle
45. Clavette moteur

\* Pièces de rechange recommandées

#### TEILE

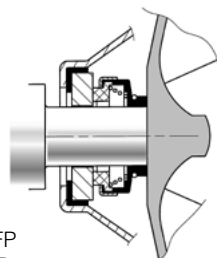
1. Pumpengehäuse
2. Laufrad
3. Pumpenlaterne
5. Gehäuseplatte
- \* 6. Wellenhülse
8. Pumpenwelle
9. Sechskantschraube
11. Federscheibe
13. Stiftschraube
14. Federscheibe
15. Hutmutter
- \* 19. Dichtring für Pumpengehäuse
27. Spritzring
29. Gewindestift
30. Motor
31. Höhenverstellbarer Fuß
32. Mutter
33. Montagekonsole
34. Schraube
35. Mutter
36. Federscheibe
37. Schraube
38. Haube
39. Federscheibe
45. Motorpaßfeder

\* Empfohlene Ersatzteile

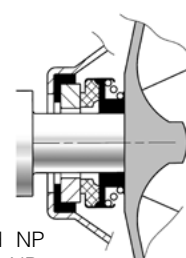
#### MATERIALS

- 316L/1.4404
- 316L/1.4581
- 304/1.4301
- 316L/1.4404
- KSC
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- E/V
- P
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 304/1.4301
- 1.0503 C45K

### 5. Seal options - Options garniture mécanique - Optionen für Gleitringdichtung



1 Standard seal FP  
Garniture standard FP  
Standard Dichtung FP

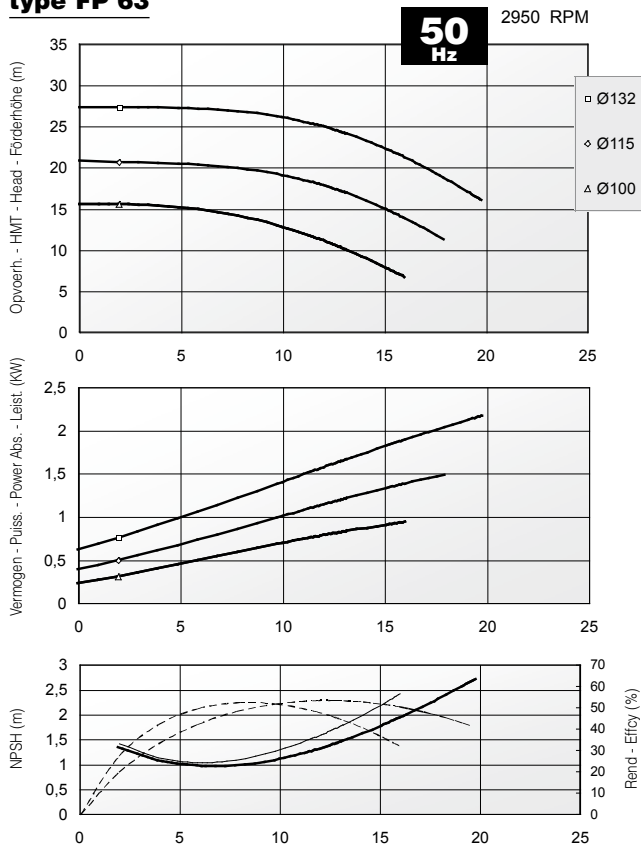


2 Standard seal NP  
Garniture standard NP  
Standard Dichtung NP

# FP - NP

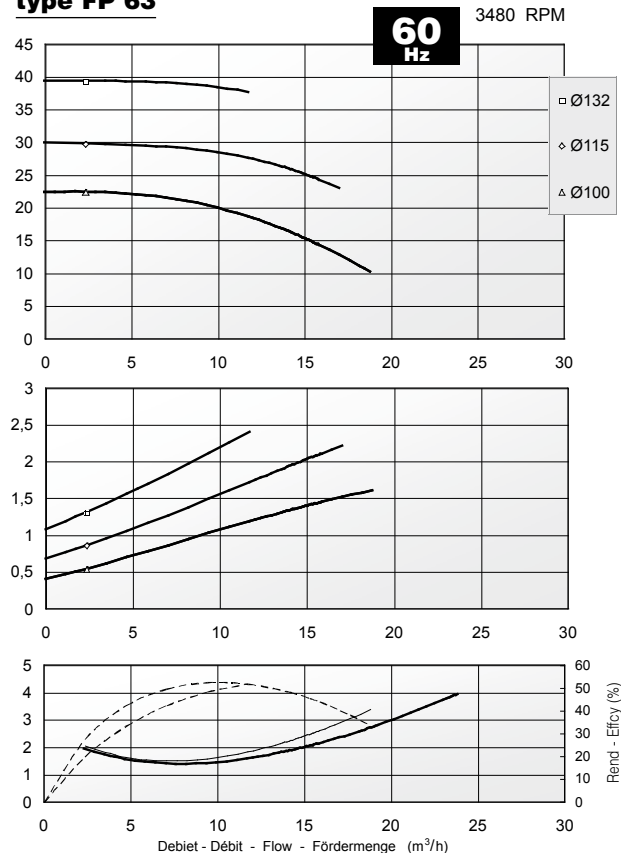
4

## Flow chart for centrifugal pump, type FP 63

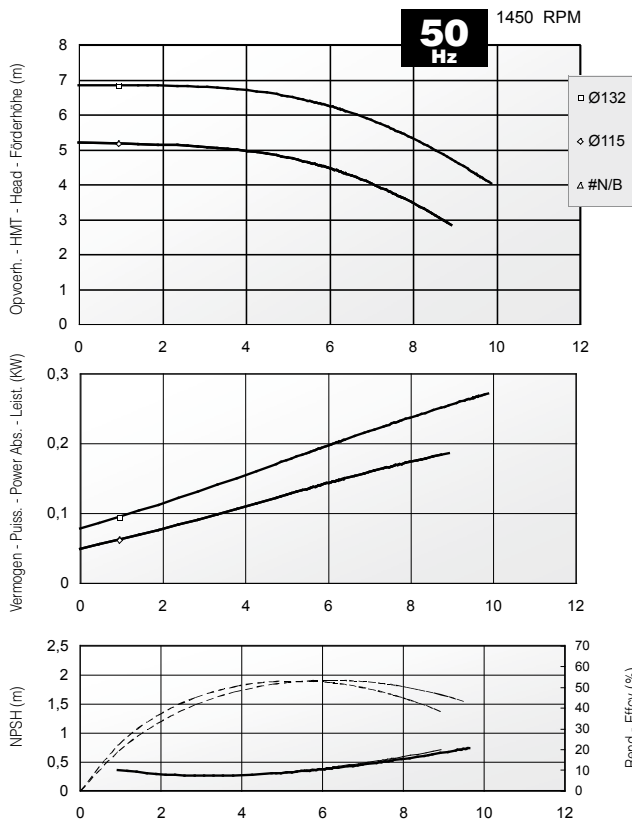


As a safety factor for the motor the Absorbed Power curve was multiplied by 1.03  
In the curves the motorspeed is 2970 RPM at 0 m<sup>3</sup>/h, and 2880 RPM at 19,5 m<sup>3</sup>/h.

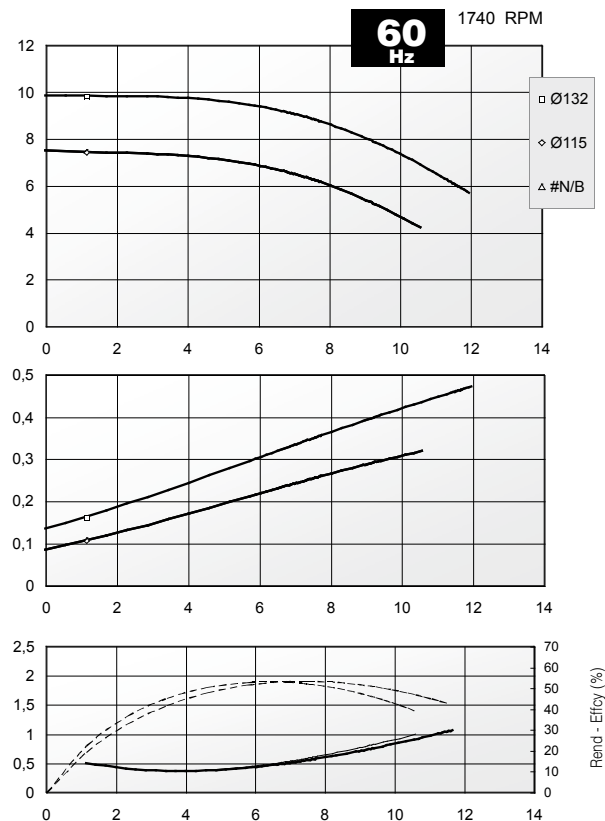
## Flow chart for centrifugal pump, type FP 63



As a safety factor for the motor the Absorbed Power curve was multiplied by 1.03  
In the curves the motorspeed is 3540 RPM at 0 m<sup>3</sup>/h, and 3444 RPM at 23,5 m<sup>3</sup>/h.



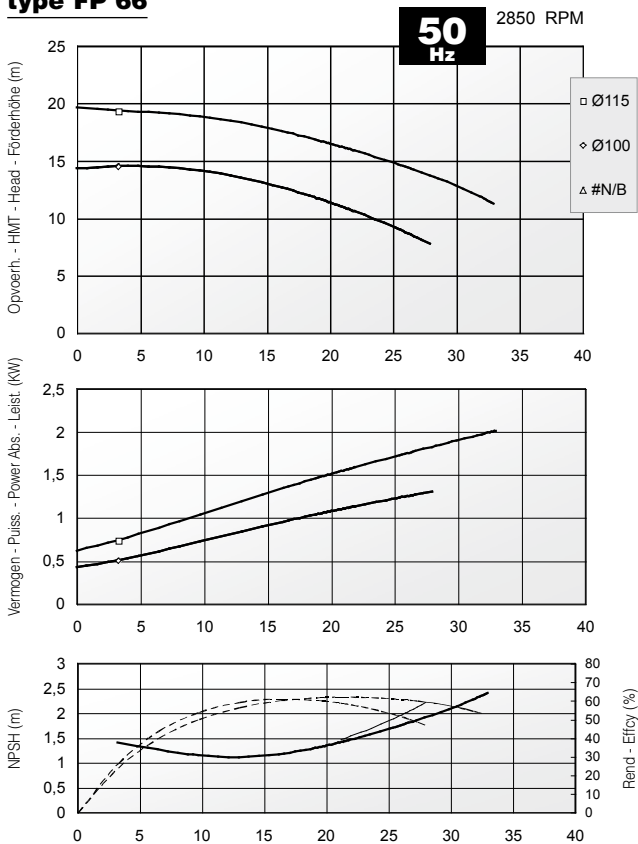
As a safety factor for the motor the Absorbed Power curve was multiplied by 1.03  
In the curves the motorspeed is 1460 RPM at 0 m<sup>3</sup>/h, and 1400 RPM at 9,5 m<sup>3</sup>/h.



As a safety factor for the motor the Absorbed Power curve was multiplied by 1.03  
In the curves the motorspeed is 1752 RPM at 0 m<sup>3</sup>/h, and 1680 RPM at 11,5 m<sup>3</sup>/h.

# FP - NP / SCP - ISP

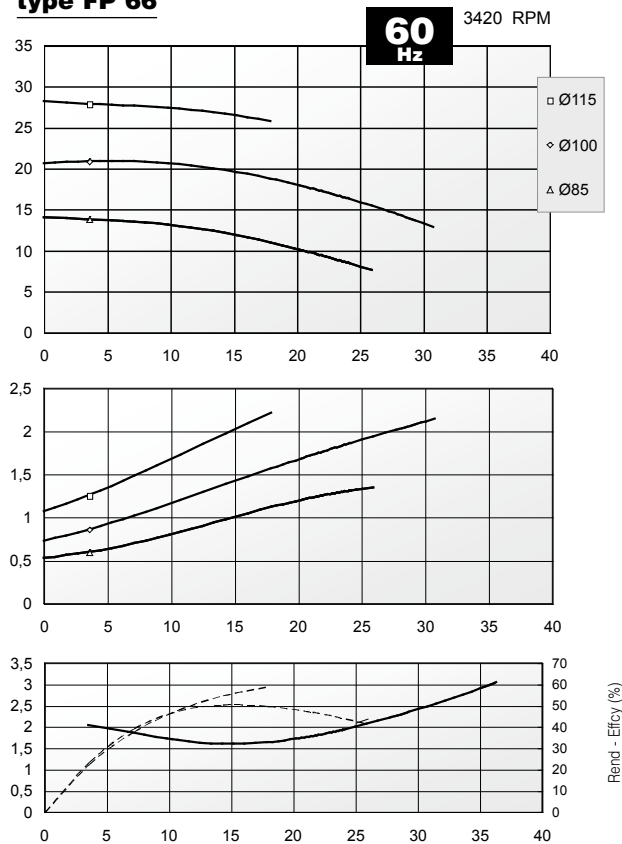
**Flow chart for centrifugal pump, type FP 66**



Date: 15/01/2000 Graph Ref.: S1 - 30/O - 6/45

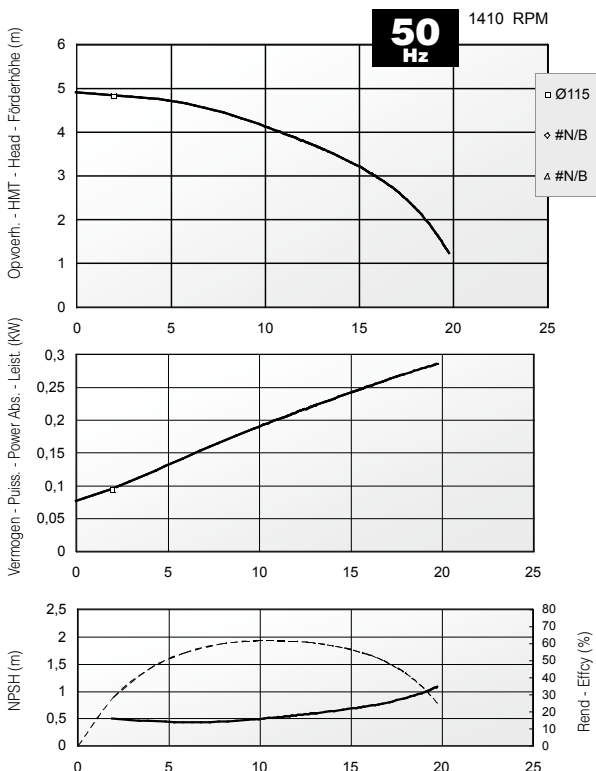
As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 2920 RPM at 0 m<sup>3</sup>/h, and 2780 RPM at 32,5 m<sup>3</sup>/h.

**Flow chart for centrifugal pump, type FP 66**



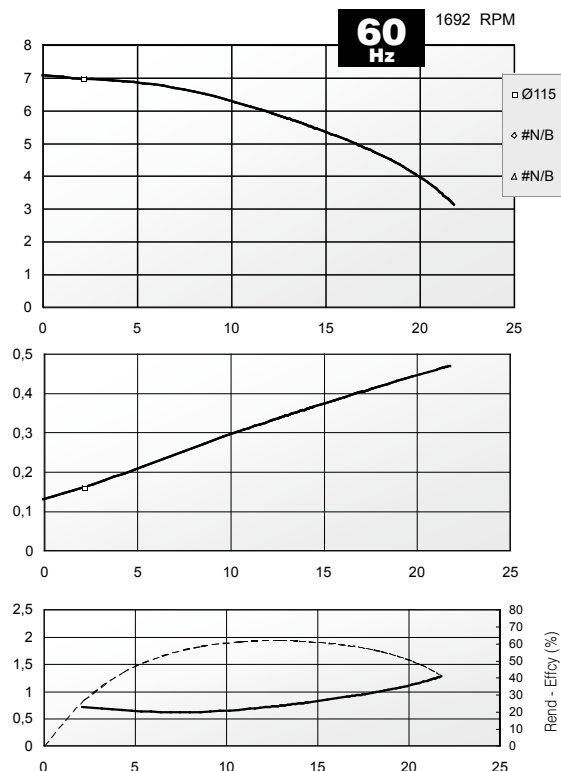
Date: 15/01/2000 Graph Ref.: S1 - 30/O - 6/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 3504 RPM at 0 m<sup>3</sup>/h, and 3336 RPM at 35,8 m<sup>3</sup>/h.



Date: 15/01/2000 Graph Ref.: S1 - 30/O - 6/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 1450 RPM at 0 m<sup>3</sup>/h, and 1400 RPM at 19,5 m<sup>3</sup>/h.



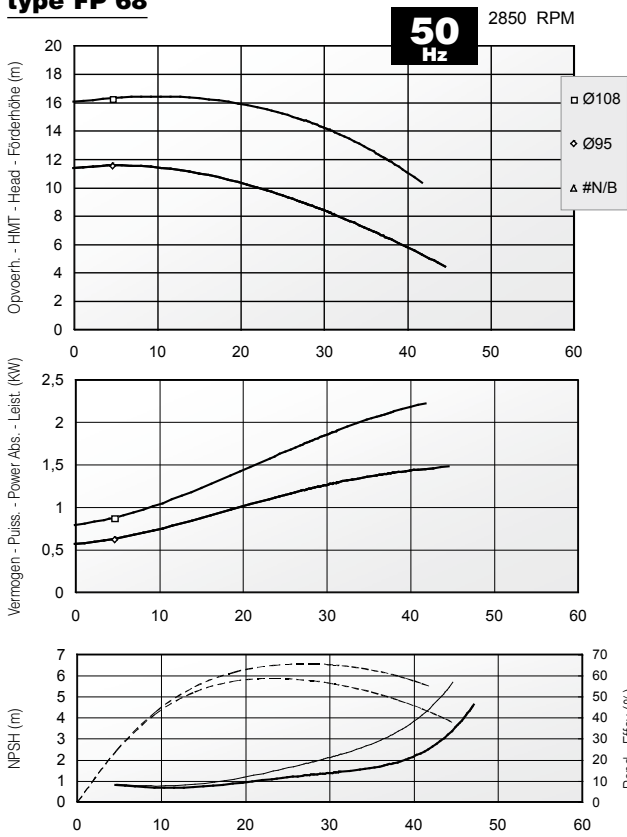
Date: 15/01/2000 Graph Ref.: S1 - 30/O - 6/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 1740 RPM at 0 m<sup>3</sup>/h, and 1680 RPM at 21,5 m<sup>3</sup>/h.

# FP - NP / SCP - ISP

6

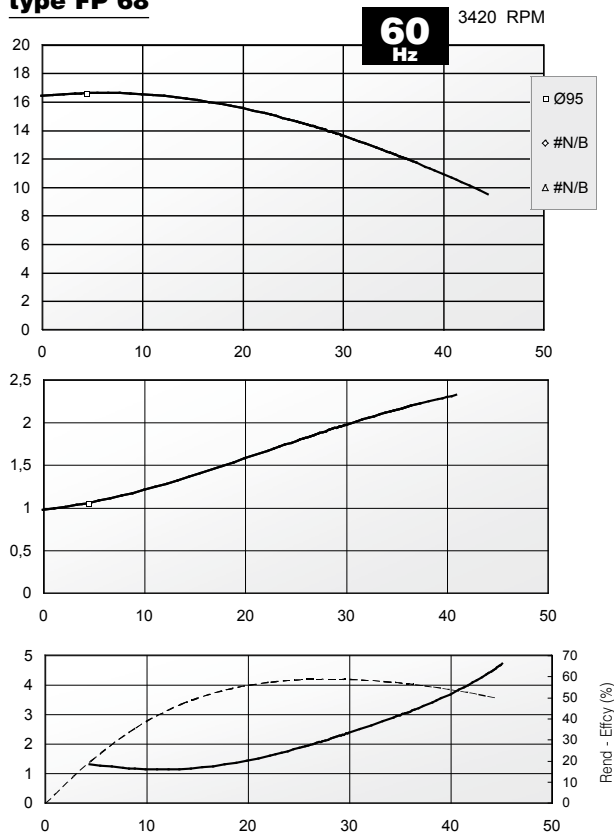
**Flow chart for centrifugal pump, type FP 68**



Date: 15/01/2000 Graph Ref.: S1 - 40/O - 8/45

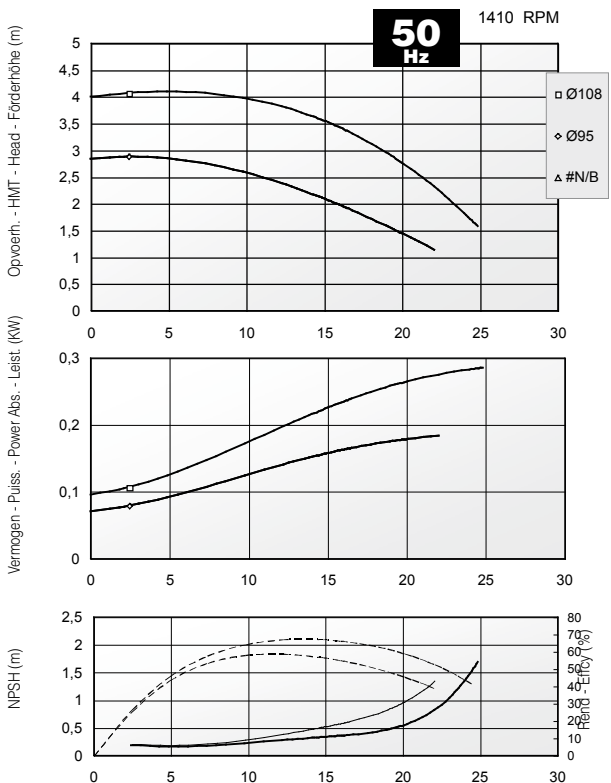
As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 2930 RPM at 0 m³/h, and 2790 RPM at 46,5 m³/h.

**Flow chart for centrifugal pump, type FP 68**



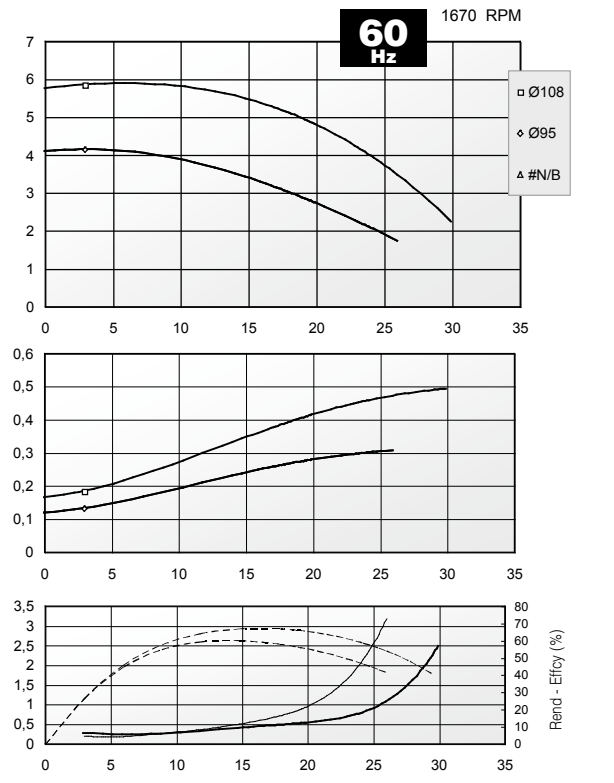
Date: 15/01/2000 Graph Ref.: S1 - 40/O - 8/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 3504 RPM at 0 m³/h, and 3336 RPM at 44,5 m³/h.



Date: 15/01/2000 Graph Ref.: S1 - 40/O - 8/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 1449,57894736842 RPM at 0 m³/h, and 1380,31578947368 RPM at 24,5 m³/h.

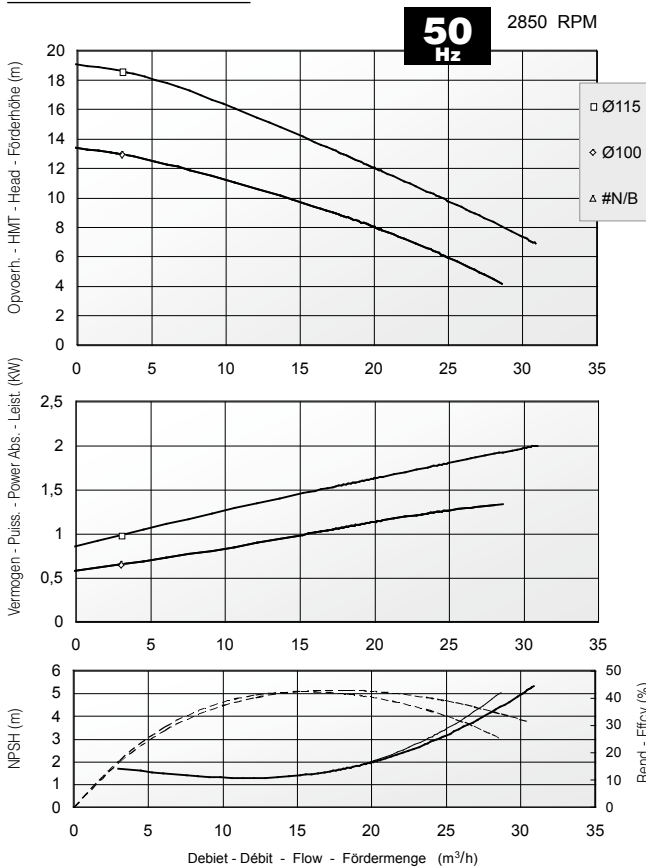


Date: 15/01/2000 Graph Ref.: S1 - 40/O - 8/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,04  
In the curves the motorspeed is 1739,49473684211 RPM at 0 m³/h, and 1656,37894736842 RPM at 29,5 m³/h.

# SCP - ISP

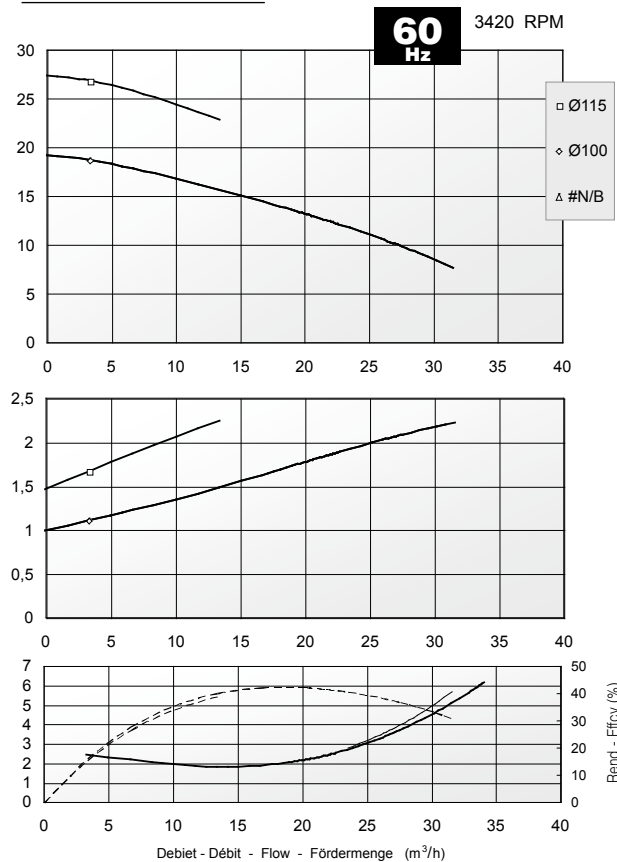
## Flow chart for centrifugal pump, type SCP & ISP 66



Date: 15/01/2000 Graph Ref.: ZAP - 30/O - 6/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,05  
In the curves the motorspeed is 2920 RPM at 0 m³/h, and 2800 RPM at 30,5 m³/h.

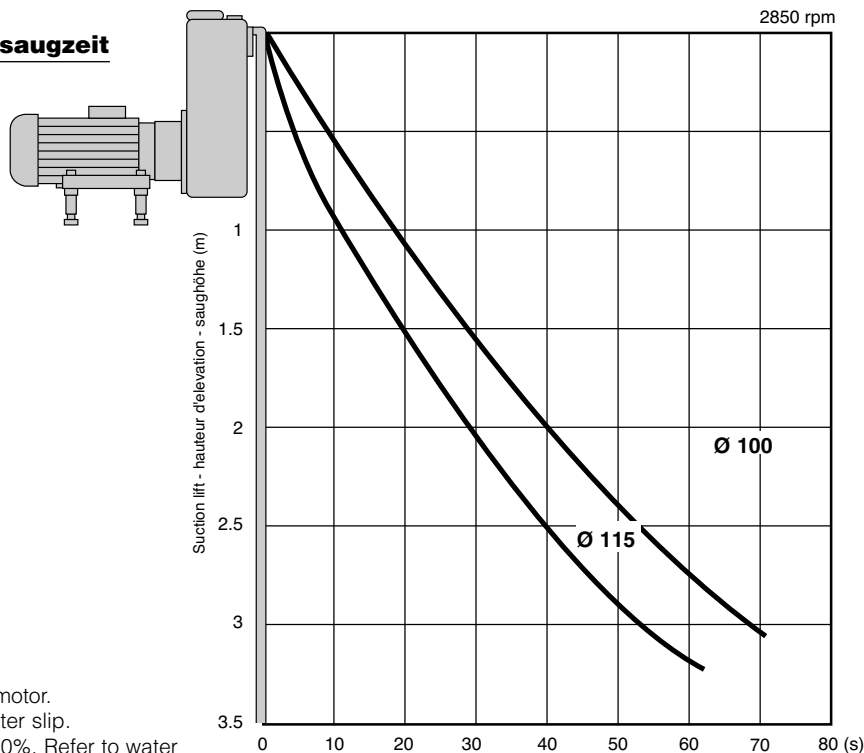
## Flow chart for centrifugal pump, type SCP & ISP 66



Date: 15/01/2000 Graph Ref.: ZAP - 30/O - 6/45

As a safety factor for the motor the Absorbed Power curve was multiplied by: 1,05  
In the curves the motorspeed is 3504 RPM at 0 m³/h, and 3360 RPM at 33,6 m³/h.

## SCP & ISP 66 Lift time - Temps d'amorçage - Ansaugzeit



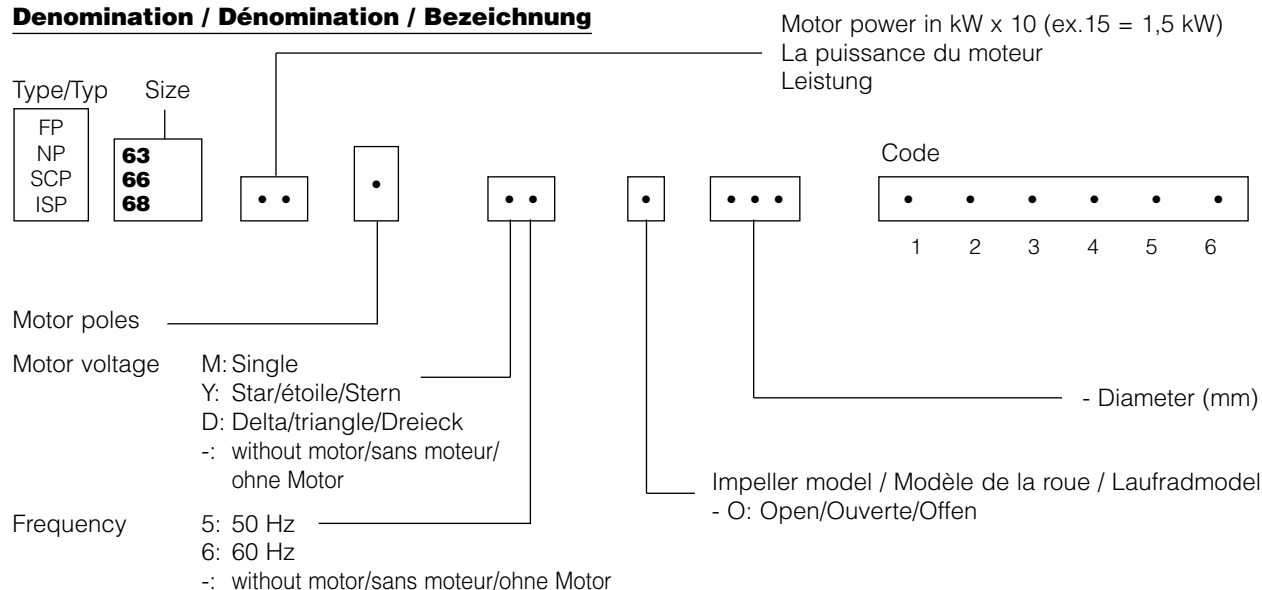
1 m = 3,281 ft  
1m³/h = 4,4 US.GPM = 3,67 Imp.GPM

Do not forget the safety margin to protect the motor.  
Curves refer to max. motor, smaller motor greater slip.  
Subject to change without notice. Curves +/- 10%. Refer to water

# FP - NP / SCP - ISP

8

## 5. Denomination / Dénomination / Bezeichnung



Code 1: Portconnections to / Raccords selon / Anschluß nach  
B: BSP-male / D: DIN 11851 / E: DIN 2642 / F: DIN 2576  
R: RJT / S: SMS / I: IDF / P: DS / T: Tri-Clamp

code 2: Motor frame size / Bâti du moteur / Baugröße Motor  
07:71 / 08: 80 / 09: 90 / 10: 100

code 3: Options mechanical seal / Options de garniture mécanique / Gleitringdichtung  
S: Standard  
Q: Standard seal with quench/avec quench/mit Quench

code 4: Materials of sealfaces / Matériaux de faces de frottement / Material Gleitringe  
K: Carbon / Silicon carbide  
S: Silicon carbide / Silicon Carbide  
C: Carbon/ Ceramic  
T: Tungsten Carbide/ Tungsten Carbide

code 5: Elastomers  
E: EPDM  
V: Viton  
P: Nitril/Nitrile

|   |  |   |
|---|--|---|
| code 6: W: Motor only, without motor shroud and without adjustable motor base plate | Sans capotage inox et sans support à pieds réglables | ohne Motorhaube und ohne verstellbare Motorstütze |
| S: Motor shroud and adjustable motor base plate                                     | Capotage inox et support à pieds réglables           | Motorhaube und verstellbare Stütze                |
| B: Adjustable motor base plate  | Support à pieds réglables                            | Verstellbare Stütze                               |

### Ordering / Lors de commande / Bestellung

- Please specify pump type, voltage and frequency, optional extras, flow rate and head, density temperature and viscosity of the liquid to be pumped.
- Veuillez spécifier le modèle de pompe avec le voltage, la fréquence, les options extras, le débit et la hauteur manométrique et aussi la densité, la viscosité et la température du liquide à pomper
- Bitte Pumpentyp, Spannung, Frequenz, Durchflußmenge und Förderhöhe, Gewicht, Viskosität und Temperatur der Flüssigkeit und die eventuellen Optionen angeben.

## PACKO INOX NV BRANCH DIKSMUIDE

09/74223A • Ref. 63, 66, 68  
Update Mar. 08

Industriepark Heernisse - Cardijnlaan 10  
B-8600 Diksmuide (Belgium)  
E-Mail: diksmuide@packo.com

Tel. (32) (0)51 51 92 80  
Fax (32) (0)51 51 92 99  
<http://www.packopumps.com>