

FRYDENBØ

SABB MOTOR



PROFESSIONAL GEAR SYSTEMS



SABB HVP

*The ultimate choice
for durable gears*

The Company



SABB since 1925

Frydenbø Sabb Motor AS was established in 1925 under the name of Damsgaard Motorfabrik. In 1971 the firm became a limited company, changing the name to Sabb Motor AS. In 2006 Sabb Motor AS became 100% owned by Frydenbø Industri AS, and the name changed to Frydenbø Sabb Motor AS. Over the years we have had a healthy turnover and steady growth. Today we employ 35 people with a high level of knowledge, expertise and experience. Frydenbø Sabb Motor AS operates as a total supplier of diesel engines, durable gears and complete drive-line equipment, and coordinates service workshops for repair and maintenance.

Knowledge and experience

Standard solutions are rarely common in our business. The problems we encounter along the way are merely challenges to be overcome. After over 80 years of experience, Frydenbø Sabb Motor AS has developed a high level of knowledge and expertise. Our personnel are specialized operators with technical skills for our gears and diesel engines. Our primary objective will be the continued supply of high quality gears and diesel engines to the marine business of the world, to our customers 100% satisfaction.



The SABB brand name

Frydenbø Sabb Motor AS has long experience in development, production, testing and service of durable gears and diesel marine engines for Norwegian as well as foreign waters. Therefore Frydenbø Sabb Motor AS, and its technical solutions, represents the ultimate in quality gears and diesel engines for all those operating under extreme conditions. We offer the markets most reliable gears and engines that meets the strict quality requirements SABB demands at all times.

The comprehensive service – and dealer network are ready to provide our customers around the world with service when they need it – where they need it.



Approvals and Certification

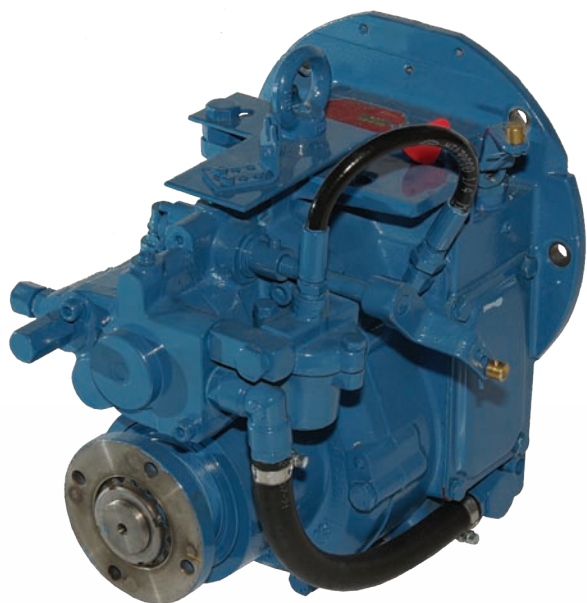
Frydenbø Sabb Motor AS offers Type Approvals for all our gears and diesel engines.

Notified body for tests and certification is Det Norske Veritas.

SABB HVP 15

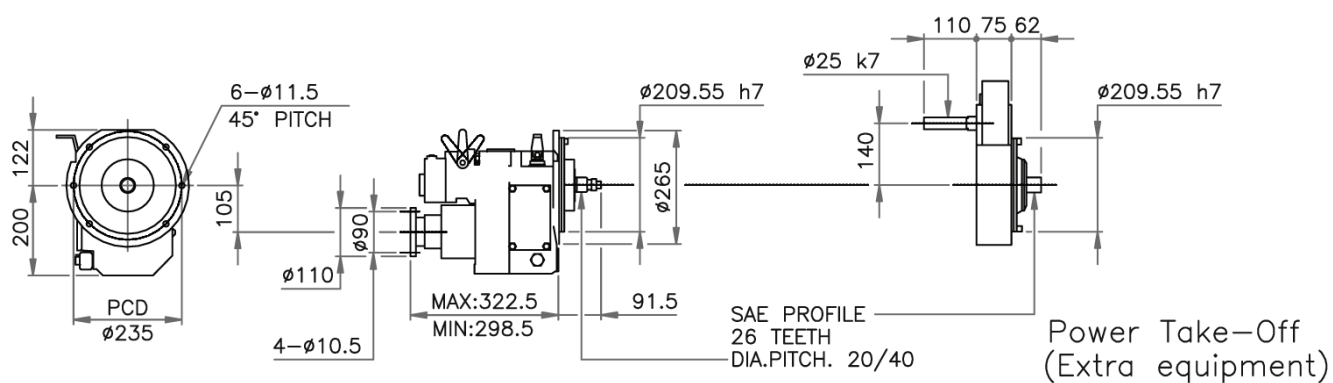
SABB HVP 15 - Technical data:

SABB HVP 15; Suitable for small fishing boats and pleasure boats.



| | |
|---------------------------|-------------------------|
| Max Input torque | 150 Nm |
| Reduction ratio | 1,7:1 , 2,14:1, 3,05:1 |
| Max input speed | 4000 rpm |
| Input rotation | Left, view from rear |
| Prop.shaft axial movement | 24 mm + - 0,5 mm |
| Pitch control | Follower remote control |
| Clutch control | Manual, remote control |
| Adaptor | Borg Warner |
| Weight | 43 kg |
| Weight w/PTO | N/A |
| PTO max rating | 140 Nm |

HVP 15



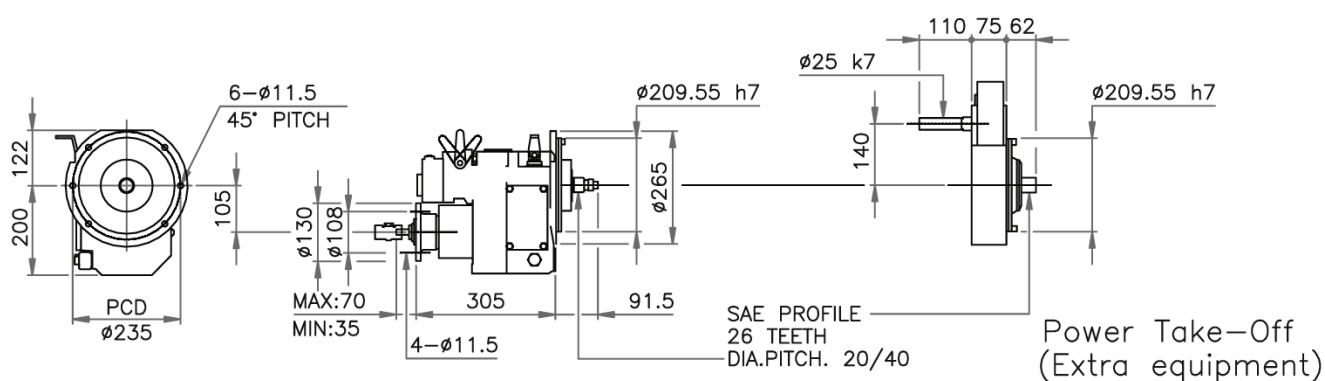
25
-IVP



SABB HVP 25 - Technical data:

SABB HVP 25; Suitable for small fishing boats and pleasure boats.

| | |
|---------------------------|-------------------------|
| Max Input torque | 250 Nm |
| Reduction ratio | 1,7:1 , 2,14:1, 3,05:1 |
| Max input speed | 3500 rpm |
| Input rotation | Left, view from rear |
| Prop.shaft axial movement | 34 mm + - 0,5 mm |
| Pitch control | Follower remote control |
| Clutch control | Manual, remote control |
| Adaptor | Borg Warner |
| Weight | 43 kg |
| Weight w/PTO | N/A |
| PTO max rating | 140 Nm |



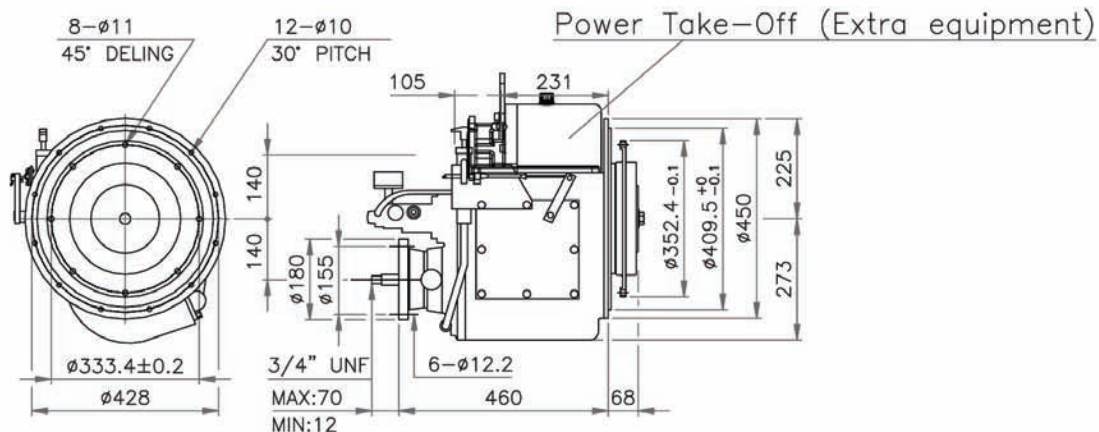
SABB HVP 65E

SABB HVP 65E - Technical data:

SABB HVP 65E; Suitable for work boats and fishing boats.



| | |
|---------------------------|---------------------------|
| Max Input torque | 650 Nm |
| Reduction ratio | 1,7:1 , 3,05:1, 3,82:1 |
| Max input speed | 2700 rpm |
| Input rotation | Left, view from rear |
| Prop.shaft axial movement | 48 mm + - 0,5 mm |
| Pitch control | Preselect remote control |
| Clutch control | Valve, Electric 12V / 24V |
| Adaptor | SAE 3, (409,55 mm) |
| Weight | 150 kg |
| Weight w/PTO | N/A |
| PTO max rating | 400 Nm |



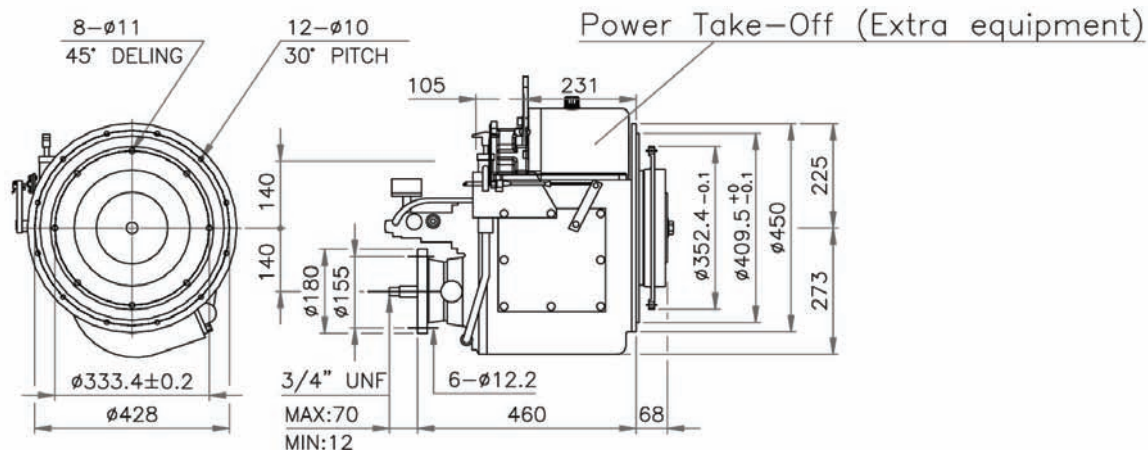
SABB HVP 83E

SABB HVP 83E - Technical data:

SABB HVP 83E; Suitable for professional work boats and fishing boats.



| | |
|---------------------------|---------------------------|
| Max Input torque | 830 Nm |
| Reduction ratio | 3,5:1 |
| Max input speed | 2700 rpm |
| Input rotation | Left, view from rear |
| Prop.shaft axial movement | 48 mm + - 0,5 mm |
| Pitch control | Preselect remote control |
| Clutch control | Valve, Electric 12V / 24V |
| Adaptor | SEA 3, (409,55 mm) |
| Weight | 150 kg |
| Weight w/PTO | N/A |
| PTO max rating | 400 Nm |



SABB HVP PTO

Power Take Off (PTO)

PTO for running hydraulic equipment available as an option for HVP 65E and HVP83E.

PTO is powered by gears on input shaft.

The PTO has a reduction of 1:1, and direction of rotation is right, seen towards the flange (for left running pump).

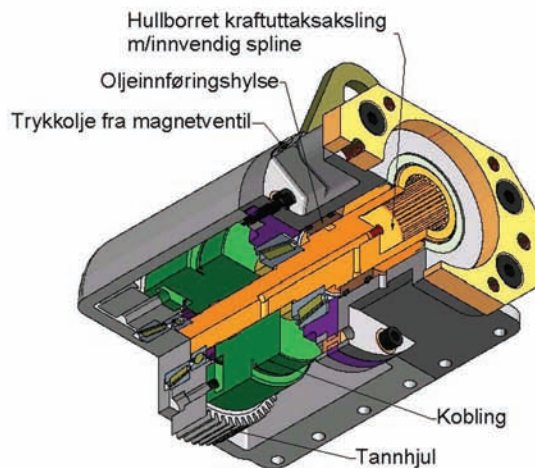
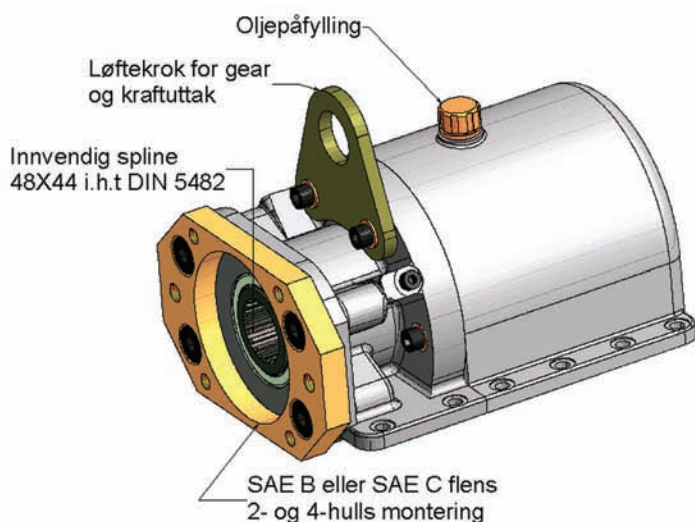
The PTO is delivered with either SAE B or SAE C flange for direct connection to pump.

The PTO shaft has an inner spline 48x44 acc. to DIN 5482, and will normally require a spline sleeve between PTO shaft and pump shaft.

SABB HVP PTO - Technical data:

SABB HVP PTO; Suitable for SABB HVP 65E & 83E.

| | |
|-----------------------------|--------------------------|
| Max output torque | 400 Nm |
| Reduction | 1:1 |
| Output rotation | Right, view twrds flange |
| Connecting flange type | SAE B or SAE C |
| Connecting spline for shaft | 48 x 44 |
| PTO control with clutch | Electric 12V / 24V |
| PTO control without clutch | Direct |





*When it comes to professional gear systems
- Quality matters*

Credits :

Frontpage - Risnes work boats 'Calypso', 'Challenger', and 'Sonja'

Page 3 - SABB 'Fisker 22' small fishing boat

Page 4 - Tobias work boat

Page 5 - Ørnli work boat 'MH Agder'

Page 6 - OCEA work boat 'Bradan Mór'

Page 7 - Risnes work boats

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