



Parts List

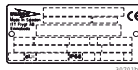
3153

Detaljlista
Ersatzteilliste
Liste des Pièces de Rechange
Lista de Piezas de Repuesto
Lista Parti di Ricambio



3153.090:	EEx d IIB T4, FM: Class I Div. 1, Grp. C and D Class II Div. 1, Grp. E, F and G. Suitable for use in Class III Div 1	page sida Seite pagina
3153.180:	Standard	

Data plates
Dataskyltar
Datenschilder



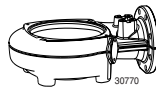
Plaques signalétiques
Placas de características
Targhette segnaletiche **7**

Motor parts
Motordetaljer
Motorteile



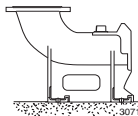
Pièces du moteur
Piezas del motor **17-29**
Parti motore **37-41**

Pump parts
Pumpdetaljer
Pumpenteile



Pièces de la pompe
Piezas para bombas
Parti pompa **30-32**

Sump components
Pumpgropsdetaljer
Schachteinbauteile



Equipement du puisad
Equipo para pozo negro
Componenti del pozzetto **33-37**

**Exploded views with item Nos.
Sprängteckningar med pos. nr.
Explosionszeichnungen mit Pos. - Nrm.**

**Vues éclatées de la pompe avec N°s de repérage
Despieces numeros de pos.
Disegno esploso con No di posizione.**

Motor parts



..... **10-13**

Hydraulic Parts



..... **14-15**

Sump Components



..... **16**

Recommended Spare Parts



..... **42-43**

Parts for Service



..... **44**

Open order quantity

* * * *



Sales codes
Säljkoder
Verkaufscodes

Codes de vente
Código de ventas
Codici di vendita

3153

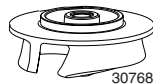
(N) (P) 3153.180 (MT)

HYDRAULIC PART
HYDRAULDEL
HYDRAULIKTEILE
PARTE HYDRAULIQUE
PARTE HIDRÁULICAS

INSTALLATION
INSTALLATION
AUFSTELLUNGSART
INSTALLATION
INSTALACIÓN
INSTALLAZIONE

HEAD
TRYCK
DRUCK
PRESSION
PRESIÓN
REVALENZA

HYDRAULIC PART
HYDRAULDEL
HYDRAULIKTEILE



PARTE HYDRAULIQUE
PARTE HIDRÁULICAS
PARTI IDRAULICHE

N =

With volute (NP, NS, NT, NZ)

Semi-open self-cleaning multi-vane impeller and volute with cleaning groove for pumping of raw sewage, sludge and liquid manure.

Med pumphus (NP, NS, NT, NZ)

Halvöppet självrensande flerkanalhjul och pumphus med rens-spår för pumpning av orenat avloppsvatten, avloppslam och flytgödsel.

Mit Pumpengehäuse (NP, NS, NT, NZ)

Offenes, selbstreinigendes Mehrkanalrad im Pumpengehäuse mit Entlastungsnut für kommunales und industrielles Abwasser mit hohem Faser- und Feststoffanteil.

Avec volute (NP, NS, NT, NZ)

Roue à multi-canaux semi-ouverte et auto-nettoyante complétée par une volute incluant une rainure déchargeante brevetée. Recommandé pour le pompage de tous types de liquides allant de l'eau propre à ceux contenant une haute concentration de solides, tels qu'eaux d'égouts, boues, liquides fibreux et lisier.

Con voluta (NP, NS, NT, NZ)

Impulsor semi-abierto auto limpiante de dos canales y difusor con ranura limpiante para bombeo de agua residual bruta, lodos y purines líquidos.

Con corpo pompa (NP, NS, NT, NZ)

Girante bicanale aperta antiintasamento su diffusore e corpo pompa con scanalatura a spirale autoespellente per il pompaggio di acque gregge, fanghi e liquami.

HEAD
TRYCK
DRUCK

LT= Low-head version
Lågtrycksförande
Niederdruckausführung

MT= Medium-head version
Medeltrycksförande
Mitteldruckausführung

HT = High-head version
Högtrycksförande
Hochdruckausführung

PRESSION
PRESIÓN
PREVALENZA

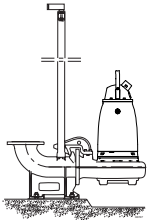
Modèle basse pression
Modelo de baja altura de elevación
Versione per grande portata
Curve Nos; (50 Hz: 410, 411, 412, 413, 414, 620, 621, 622, 623, 624 and 625)
(60 Hz: 412, 413, 414, 415, 622, 623, 624, and 625)

Modèle moyenne pression
Modelo de altura media de elevación
Versione per media prevalenza
Curve Nos; (50Hz: 430, 431, 432, 433, 434 and 435)
(60 Hz: 432, 433, 434, 435 and 436)

Modelo de gran altura de elevación
Versione per alta prevalenza
Curve Nos; (50Hz: 450, 451, 453, 454, 455 and 456)
(60 Hz: 452, 453, 454, 455, 456 and 457)

INSTALLATION
INSTALLATION
AUFSTELLUNGSART

INSTALLATION
INSTALACIÓN
INSTALLAZIONE



P = Semi permanent wet well arrangement with pump installed on twin guide bars with automatic connection to discharge.

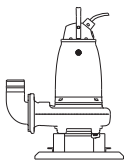
Halvstationär våt installation med pumpen fäst vid två gejdror och med automatisk anslutning till utloppsriret.

Stationär, nass mit schraubenlosem Kupplungssystem an Doppelführungsrohr.

Permanente, installation immergée. Deux barres de guidage permettent la connexion automatique sur un pied d'assise.

Instalación fija extraíble, sumergida y con tubos guía. Acoplamiento por su propio peso a la conexión de descarga.

Installazione semifissa in immersione, con piede di accoppiamento automatico e tubi guida.



S = Transportable version with hose coupling or flange for connection to discharge pipeline.

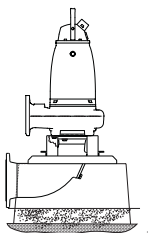
Flyttbar version med slangkoppling eller fläns för anslutning till utloppsriledning.

Transportabel, nass mit Flanschschluss für Rohrleitung oder mit Druckstutzen für Schlauchanschluss.

Version transportable avec raccord de tuyau souple ou bride pour canalisation rigide.

Instalación transportable, con salida para manguera y colador.

Installazione trasportabile, in immersione, con cavalletto di sostegno e attacco per tubo di mandata flessibile o rigido.



T = Permanent dry well or in-line arrangement with flange connection to suction and discharge pipework; vertical mounting.

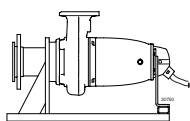
Stationär torr installation med flänsanslutningar till sug- och tryckledningarna; vertikal uppställning.

Stationär, trocken mit Saugrohreinheit, saug- und druckseitig fest verschraubt, vertikale Aufstellung.

Permanente, installation hors d'eau avec raccordement à bride à l'aspiration et au refoulement. Version verticale.

Instalación fija, en cámara seca, sobre punto de apoyo. Aspirando de pozo húmedo con codo de aspiración. Montaje vertical.

Installazione fissa in camera asciutta su basamento e collegamento diretto con le tubazioni di aspirazione e mandata; montaggio verticale.



Z = Permanent dry well or in-line arrangement with flange connection to suction and discharge pipework; horizontal mounting.

Stationär torr installation med flänsanslutningar till sug- och tryckledningarna; horisontell uppställning.

Stationär, trocken mit Saugrohreinheit, saug- und druckseitig fest verschraubt, horizontale Aufstellung.

Permanente, installation hors d'eau avec raccordement à bride à l'aspiration et au refoulement. Version horizontale.

Instalación fija, en cámara seca, sobre punto de apoyo. Aspirando de pozo húmedo con codo de aspiración. Montaje horizontal.

Installazione fissa in camera asciutta su basamento e collegamento diretto con le tubazioni di aspirazione e mandata; montaggio orizzontale.

Rubber Material
Gummimaterial
Kautschuk Material
Caoutchoue matériaux
Goma material
Gomma materiale

NBR Nitrile rubber

FPM Fluor rubber (Warm liquid version 70°C, 158°F)

Level sensor
Nivågivare
Schwimmschalter
Emetteure de niveau
Emisor de nivel
Sensor di livello

FLS 10 Flygt inspection sensor

Seal ring Material
Tätningringsmaterial
Dichtungsring Material
Anneau de joint matériaux
Anillo retén material
Guarnizione materiale

WCCR Corrosion Resistant Cemented Carbide

RSiC Silicon Carbide

Al₂O₃ Aluminium Oxide

CSb Carbon

FLYPS 2.0 Flygt Pump Selection

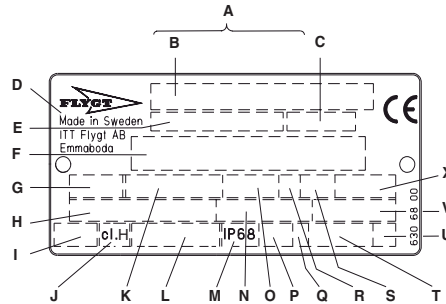
An Engineering Tool



FLACS 1.1 Flygt Accessory Selection

A Complete Program for Selection of Accessories





Data plate interpretation

- A Serial number
- B Product code + Number
- C Curve code / Propeller code
- D Country of origin
- E Product number
- F Additional information
- G Phase; Type of current; Frequency
- H Rated voltage
- I Thermal protection
- J Thermal class
- K Rated shaft power
- L International standard
- M Degree of protection
- N Rated current
- O Rated speed
- P Max. submergence
- Q Direction of rotation: L=left, R=right
- R Duty class
- S Duty factor
- T Product weight
- U Locked rotor code letter
- V Power factor
- X Max. ambient temperature

Légende de la plaque signalétique

- A N° de série
- B Code de produit + N°
- C N° de courbe / Code d'hélice
- D Pays de fabrication
- E N° de produit
- F Informations complémentaires
- G Phases; Type de courant; Fréquence
- H Tension nominale
- I Protection thermique
- J Classe d'isolation
- K Puissance nominale sur l'arbre
- L Norme internationale
- M Classe de protection
- N Intensité nominale
- O Vitesse de rotation
- P Profondeur d'immersion maxi
- Q Sens de rotation: L=gauche, R=droite
- R Classe de fonctionnement
- S Facteur de marche
- T Poids de produit
- U Code alphabétique rotor verrouillé
- V Facteur de puissance
- X Température ambiante maxi

Dataskylt inskription

- A Seriennummer
- B Produktkod + Nummer
- C Kurv- / Propellerkod
- D Tillverkningsland
- E Produktnummer
- F Kompletterande uppgifter
- G Fastal; Strömart; Frekvens
- H Märkspänning
- I Termoskydd
- J Isolationsklass
- K Märkeffekt
- L Internationell standard
- M Skyddsklass
- N Märkström
- O Varvtal
- P Max. nedsänkingsdjup
- Q Rotationsriktning: L=vänster, R=höger
- R Driftklass
- S Driftfaktor
- T Produktvikt
- U Kodbokstav för låst rotor
- V Effektfaktor
- X Max. omgivningstemperatur

Inscripción de la placa

- A N° fabricación
- B Código de producto + N°
- C N° curva / Código de hélice
- D País de origen
- E N° producto
- F Información adicional
- G N° fases; Clase de corriente; Frecuencia
- H Tensión nominal
- I Protección térmica
- J Clase de aislamiento
- K Potencia de eje nominal
- L Norma internacional
- M Clase de protección
- N Intensidad de corriente nominal
- O Velocidad rotación nominal
- P Profundidad inmersión máx.
- Q Sentido de rotación: L=izq, R=dcha
- R Clase de funcionamiento
- S Factor de funcionamiento
- T Peso del producto
- U Letra de código de rotor bloqueado
- V Factor de potencia
- X Temperatura ambiente máx.

Erläuterungen zum Datenschild

- A Serien-Nr.
- B Produktcode + Kennnummer
- C Kurven-Nr. / Propellercode
- D Herstellungsland
- E Produkt-Nr.
- F Kompletierende Angaben
- G Phasenzahl; Stromart; Frequenz
- H Nennspannung
- I Thermischer Schütz
- J Isolationsklasse
- K Nennleistung
- L Internationale Norm
- M Schutzart
- N Nennstrom
- O Nenndrehzahl
- P Max. Eintauchtiefe
- Q Drehrichtung: L=links, R=rechts
- R Betriebsklasse
- S Relative Einschaltdauer
- T Produktgewicht
- U Kodebuchstabe für blockierten Läufer
- V Leistungsfaktor
- X Max. Umgebungstemperatur

Descrizione targhetta segnaletica

- A No. di matricola
- B Codice prodotto + Numero
- C No. curva / Codice elica
- D Paese di produzione
- E No. di prodotto
- F Ulteriori informazioni
- G No. di fase; Tipo di corrente; Frequenza
- H Tensione nominale di alimentazione
- I Protezione termica
- J Classe di isolamento
- K Potenza resa nominale
- L Standard internazionale
- M Classe di protezione
- N Assorbimento nominale
- O Velocità di rotazione nominale
- P Max profondità d'immersione
- Q Senso di rotazione: L=sinistra, R=destra
- R Classe di servizio
- S Fattore di utilizzazione
- T Peso del prodotto
- U Lettera codice per rotore chiuso
- V Fattore di potenza
- X Max temperatura ambiente

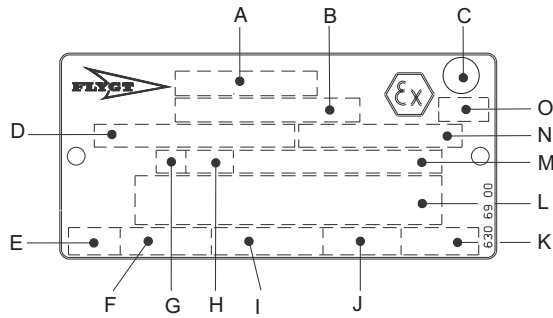


Approval plate
Godkännandeskylt
Prüfschild

Plaque d'agrément
Placa de aprobación
Targhetta di approvazione

3153

EN: European Norm
ATEX marking
EN 50014, EN 50018, EN 1127-1
⊕ II 2 G EEx dII T4
⊕ I M 2 EEx dI



Approval plate

- A Approval
- B Approval authority + Approval Number
- C Approval for Class I
- D Approved drive unit
- E Stall time
- F Starting current / Rated current
- G Duty class
- H Duty factor
- I Input power
- J Rated speed
- K Controller
- L Additional information
- M Max. ambient temperature
- N Serial number
- O ATEX marking

Godkännandeskylt

- A Godkännande
- B Provningsmynd. + Godkännandennummer
- C Godkännande för Klass I
- D Godkänd drivenhet
- E Fastbromsningstid
- F Startström / Märkström
- G Driftklass
- H Driftfaktor
- I Inmatad effekt
- J Varvtal
- K Kontrollant
- L Kompletterande uppgifter
- M Max. omgivningstemperatur
- N Serienummer
- O ATEX märkning

Zulassungsschild

- A Zulassung
- B Zulassungsstelle + Zulassungs-Nr
- C Zulassung für Klasse I
- D Zugelassener Antrieb
- E Abreißzeit
- F Anlaufstrom / Nennstrom
- G Betriebsklasse
- H Relative Einschaltdauer
- I Aufgenommene Leistung
- J Nenndrehzahl
- K Kontrollstelle
- L Komplettierende Angaben
- M Max. Umgebungstemperatur
- N Serienummer
- O ATEX Markierung

Placque d'agrément

- A Agrément
- B Organisme ayant délivré l'agrément + N° d'agrément
- C Agrément pour classe I
- D Agrément moteur
- E Temps de réaction des thermosondes
- F Intensité au démarrage / Intensité nominale
- G Classe de fonctionnement
- H Facteur de marche
- I Puissance absorbée
- J Vitesse de rotation
- K Contrôleur
- L Informations complémentaires
- M Température ambiante maxi
- N N° de série
- O Marque d'ATEX

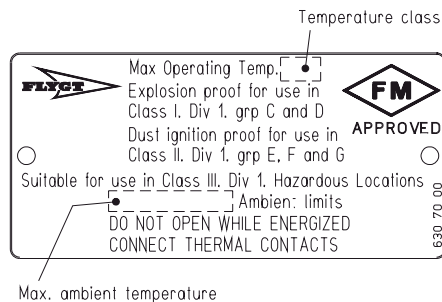
Placa de aprobación

- A Aprobación
- B Autoridad homologadora + N° aprobación
- C Aprobación para clase I
- D Unidad de accionamiento aprobada
- E Tiempo de parada
- F Intensidad de corriente arranque/ Intensidad de corriente nominal
- G Clase de funcionamiento
- H Factor de funcionamiento
- I Potencia consumida
- J Velocidad rotación nominal
- K Controlador
- L Información adicional
- M Temperatura ambiente máx.
- N N° fabricación
- O Marcado ATEX

Targhetta approvazione

- A Approvazione
- B Autorità di approvazione + No. di approvazione
- C Classe di approvazione I
- D Motore approvato
- E Tempo di arresto
- F Corrente di spunto / Assorbimento nominale
- G Classe di servizio
- H Fattore di utilizzazione
- I Potenza assorbita
- J Velocità di rotazione nominale
- K Controllo
- L Ulteriori informazioni
- M Max temperatura ambiente
- N No. di matricola
- O ATEX marcatura

FM: Factory Mutual
Class I Div. I Grp C and D
Class II and III Div. I Grp E, F and G



Ordering spare parts

State serial number of the pump, spare part number and quantity when ordering.

Genuine Flygt parts must always be used for repairs if the pump is to fulfill requirements and obtain official approval.

Only Flygt or Flygt-authorized service personnel may undertake repair work on specially approved pumps.

Reservdelsbeställning

Ange pumpens serienummer, reservdelsnummer och antal vid beställning.

Om pumpen skall uppfylla kraven och uppnå officiellt godkännande, måste alltid Flygt-original reservdelar användas vid service. Endast Flygt eller Flygt-auktoriserad servicepersonal får utföra servicearbete på speciellt godkända pumpar.

Ersatzteilbestellung

Bei Bestellung bitte die Fabrikations-Nr, Ersatzteil-Nr und Anzahl der Pumpen angeben.

Wenn die Pumpe den Erfordernissen entsprechen und offizielle Zulassung erhalten soll, müssen immer Original-Flygt-Teile für Reparaturen verwendet werden. Nur Flygt oder Flygt-autorisiertes Wartungspersonal darf Wartung an speziell zugelassenen Pumpen ausführen.

Commander pièces détachées

Préciser à la commande le numéro de série de la pompe, les références des pièces détachées et les quantités. Pour que le produit demeure conforme à la réglementation et aux différents agréments, il est indispensable d'utiliser uniquement des pièces détachées Flygt. La réparation de produits possédant un agrément spécial ne doit être effectuée que par un technicien Flygt ou un atelier agréé par Flygt.

Orden de Repuestos

Establecer el número de serie de la bomba, numeros de cada parte de repuesto y cantidad ordenada.

En caso de reparaciones, deben ser usadas partes genuinas Flygt para conservar la garantia. Solo personal autorizado de Flygt debe efectuar reparaciones para mantener la garantia del equipo.

Ordine parti di ricambio

Quando ordinate le parti di ricambio, citate sempre la matricola della pompa, il codice e la quantità della parte di ricambio.

Utilizzate solo parti di ricambio originali Flygt se volete che la pompa mantenga i requisiti richiesti per l'omologazione ufficiale. Qualsiasi riparazione su pompe antideflagranti dovrà essere effettuato da tecnici autorizzati dalla Flygt; in caso contrario Flygt declina ogni responsabilità.

Guarantee
Garanti

Gewährleistung
Garantie

Garanzia
Garantía

Warranty Claim

Flygt pumps are high quality products with expected reliable operation and long life. However, should the need arise for a warranty claim, please contact your Flygt representative

Garantianspråk

Flygt tillverkar pumpar av hög kvalitet som fungerar pålitligt och har lång livslängd. Skulle emellertid ett garantianspråk bli aktuellt, kontakta närmaste Flygt-representant för information.

Gewährleistung

Flygt-Pumpen sind hochwertige Produkte, die für zuverlässigen Betrieb und lange Lebensdauer gebaut sind. Falls wider Erwarten dennoch Gewährleistungsanspruch auftreten sollte, wenden Sie sich bitte an Ihre Flygt-Vertretung.

Garantie

Les pompes Flygt sont des produits de haute qualité, conçus pour fonctionner en toute fiabilité pendant de longues années. Toutefois, en cas de réclamation éventuelle sous le couvert de la garantie, veuillez contacter l'agence Flygt

Condizioni di garanzia

Le elettropompe ITT Flygt sono prodotti di qualità per i quali è prevista una durata di esercizio lunga e affidabile. Qualora fosse necessario presentare reclamo durante il periodo di garanzia, contattare il rappresentante ITT Flygt più vicino.

Reclamaciones por garantía

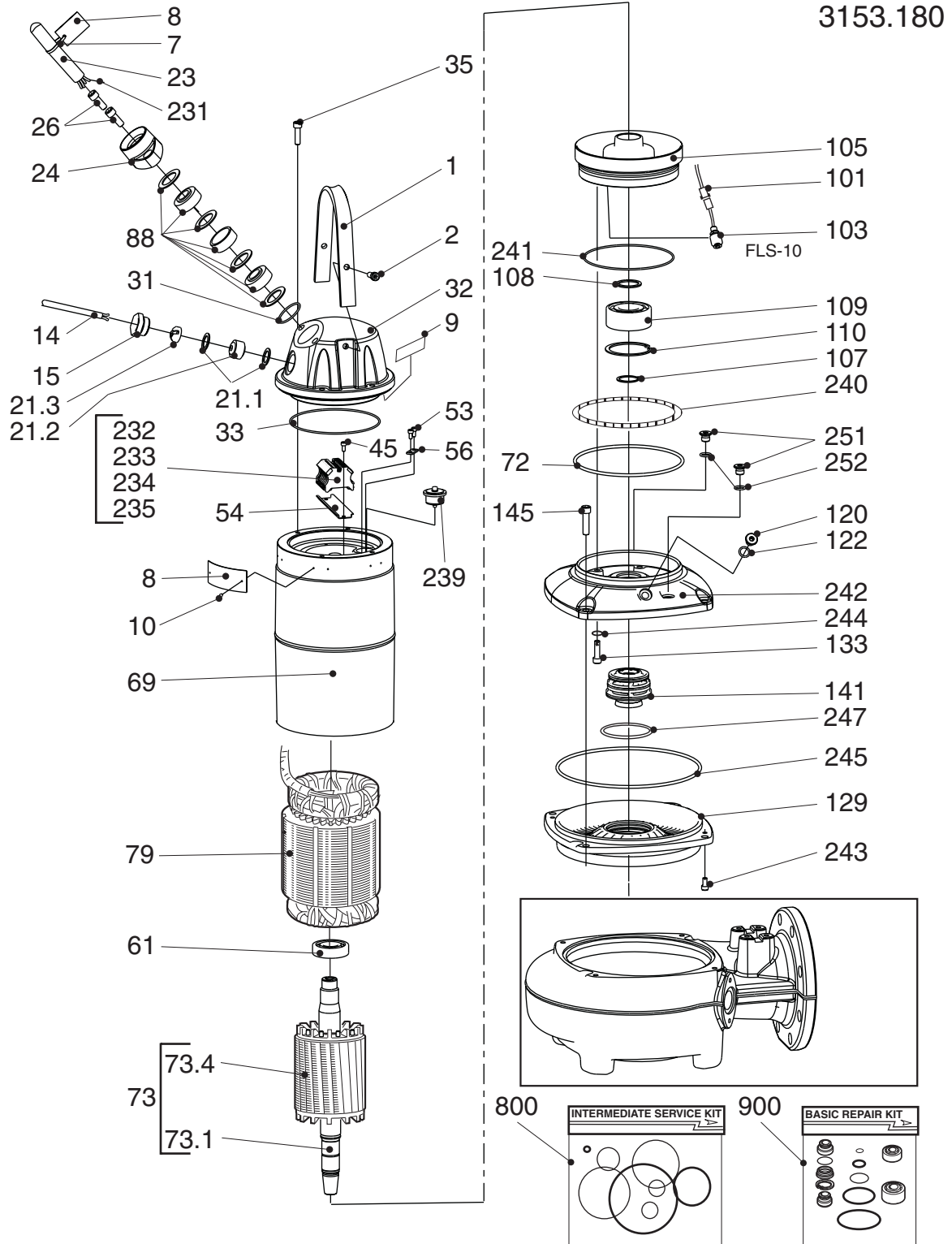
Las bombas Flygt son productos de alta calidad con un funcionamiento fiable y larga vida de servicio. Sin embargo, si hubiera motivos de reclamación por garantía, ponerse en contacto con el representante de Flygt más cercano.



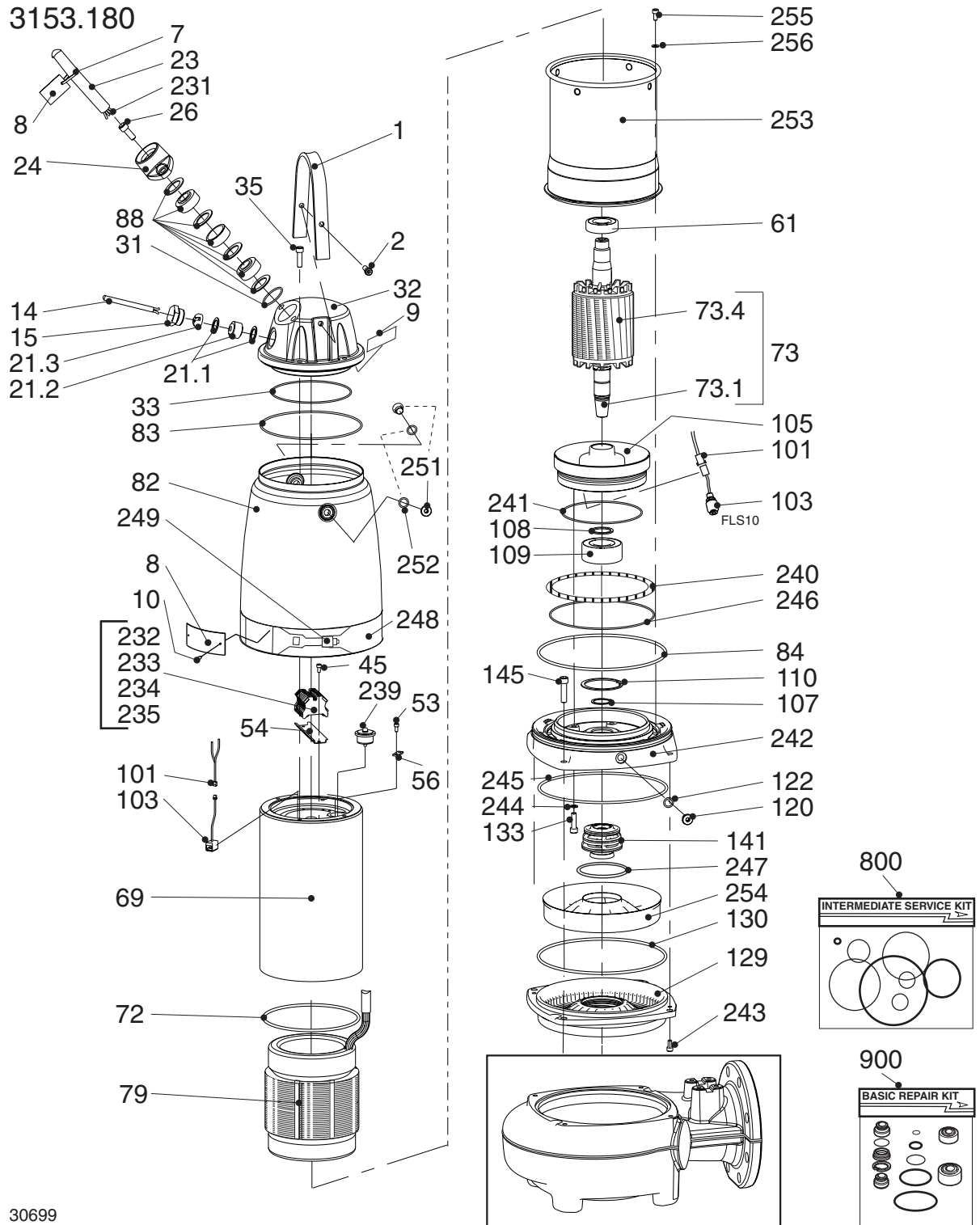
Without cooling jacket
 Utan kylkåpa
 Ohne Kühlmantel

Sans coiffe refroidisseur
 Sin capota refrigerante
 Senza campana raffreddamen

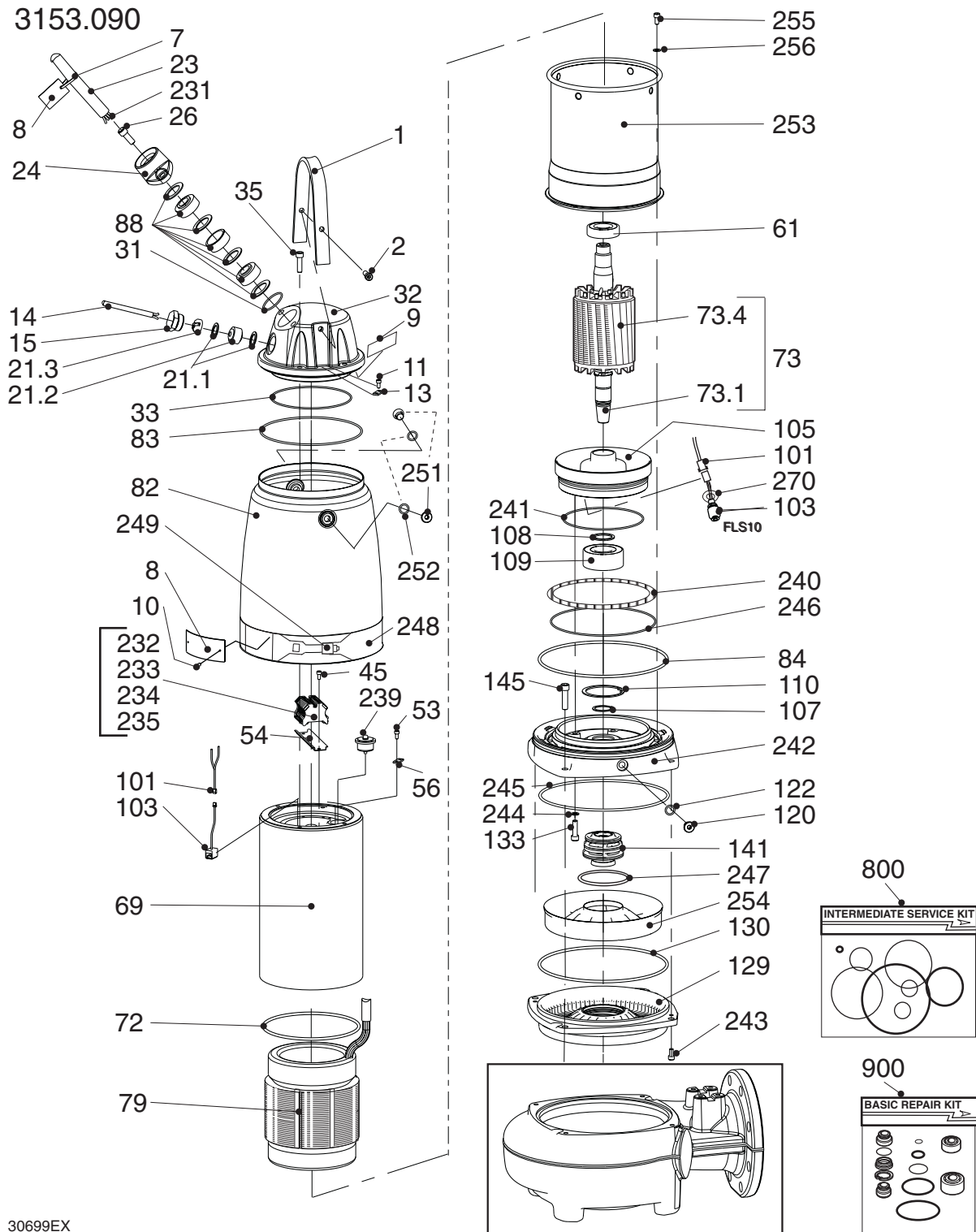
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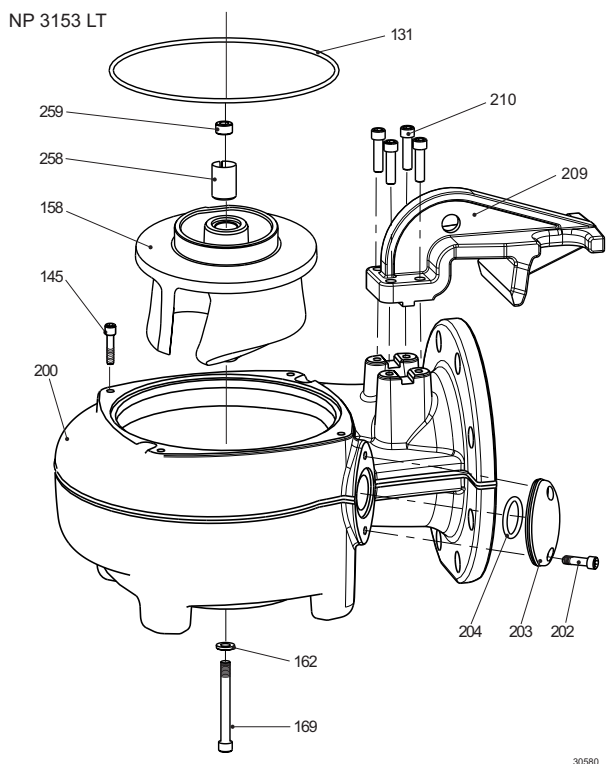
30699



30699EX

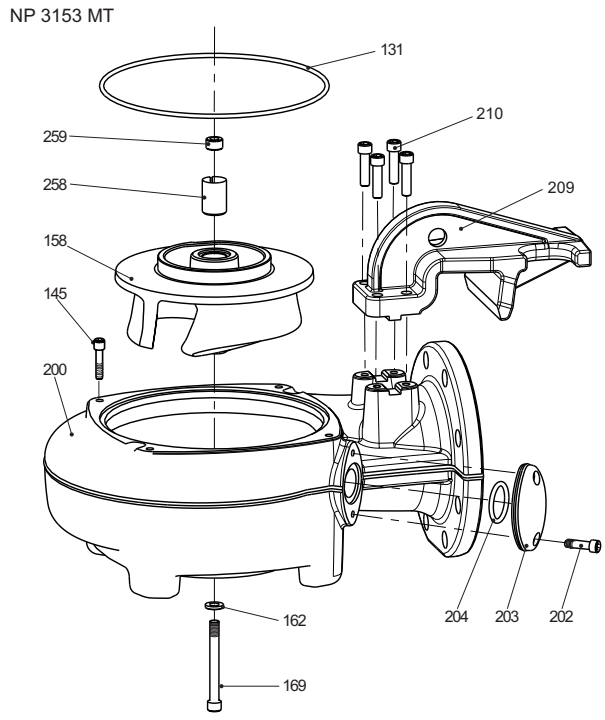
Hydraulic Parts

- Curve No **410**
- Kurva nr. **411**
- Kurve Nr. **412**
- Courbe N° **413**
- Curvas N° **414**
- No curva **415**
- 620**
- 621**
- 622**
- 623**
- 624**
- 625**



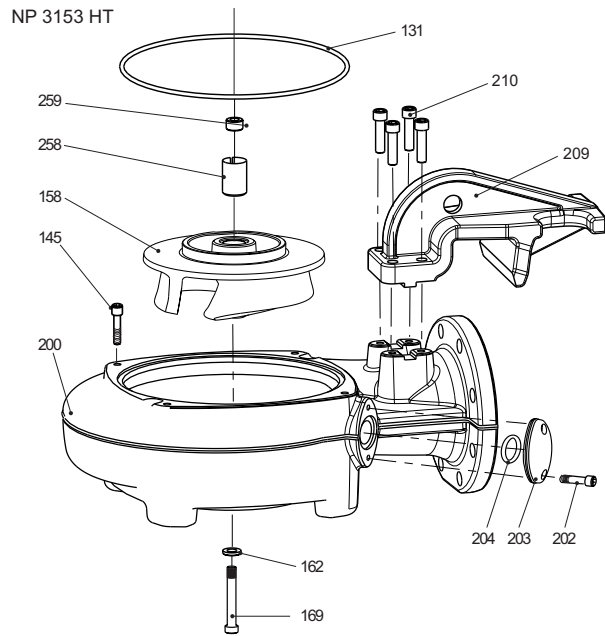
30580

- Curve No **430**
- Kurva nr. **431**
- Kurve Nr. **432**
- Courbe N° **433**
- Curvas N° **434**
- No curva **435**
- 436**



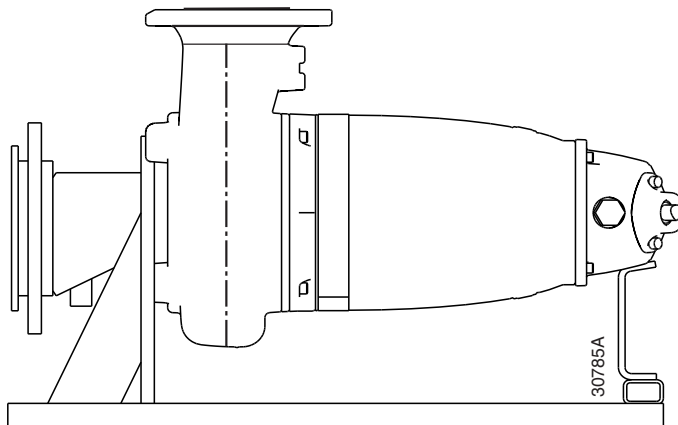
30579

- Curve No **450**
- Kurva nr. **451**
- Kurve Nr. **452**
- Courbe N° **453**
- Curvas N° **454**
- No curva **455**
- 456**
- 457**



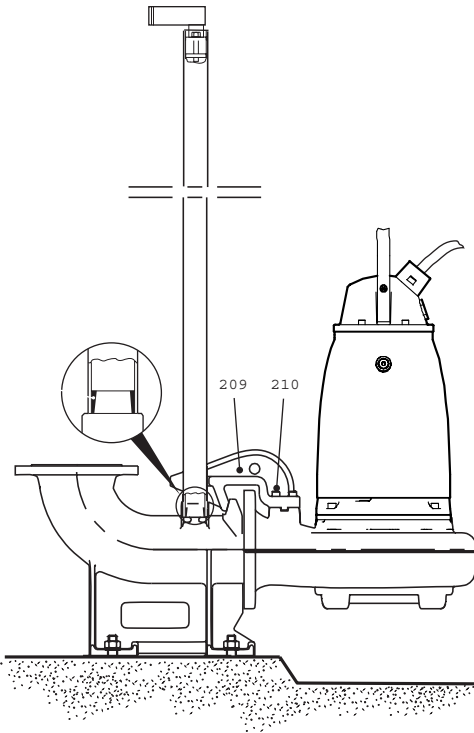
30581

NZ 3153



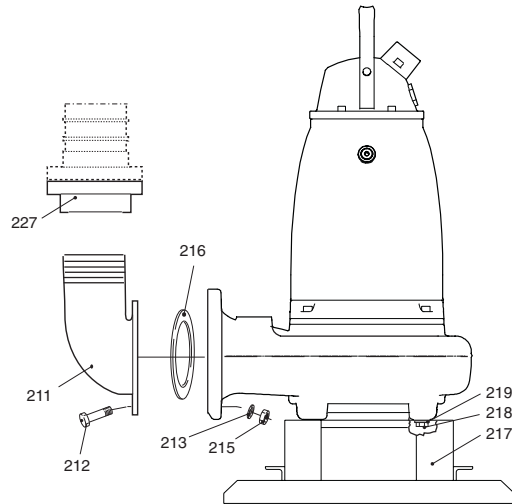
Sump Components

NP 3153.180



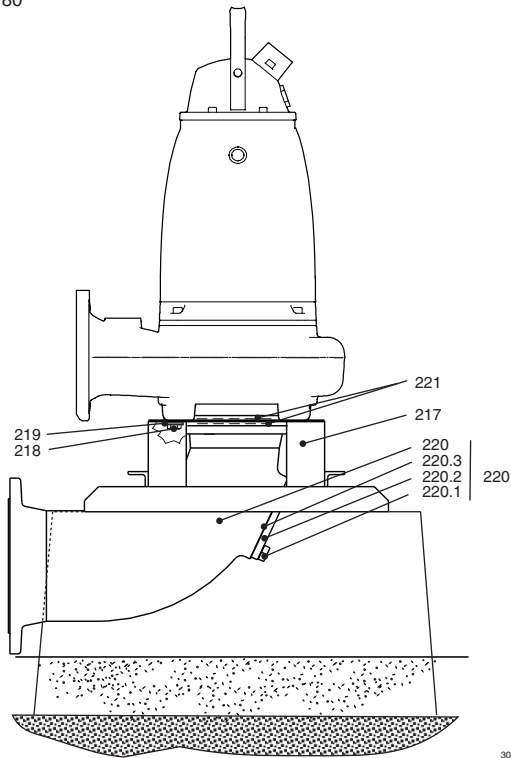
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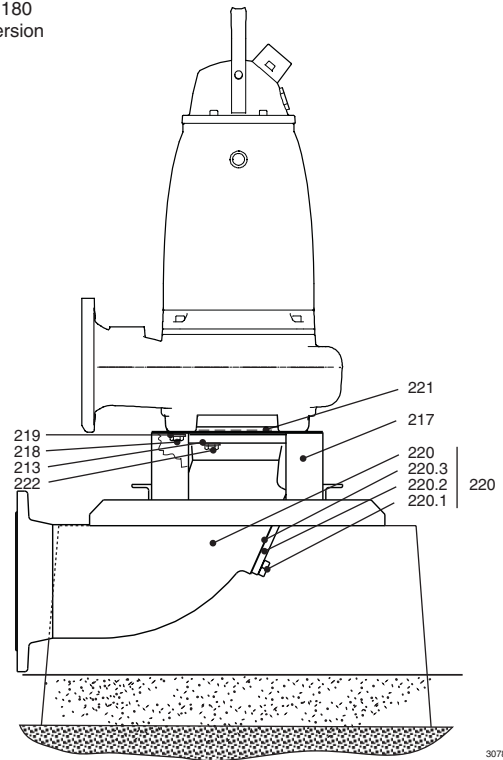
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NT 3153.180
LT-version





30793


NT 3153.180
MT/HT-version




30784



		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
1	642 15 00	CLAMP BYGEL BUEGEL ETRIER ABRAZADERA MORSETTO	1	1	
2	83 04 56	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M10X35-A4-80	2	2
7	83 45 59	CABLE TIE BUNTBAND KABELBINDER COLLIER DE CABLE COLLAR DE CABLE COLLARE PER CAVO	200X2,4 PA 6/6 -55 +105	1	1
8	630 68 00	DATA PLATE	USE 6306801 AS SPARE PART	1	1
	630 76 00	DATASKYLT	Warm liquid version	1	1
	630 69 00	DATENSCHILD	EX appr.	1	1
	630 70 00	PLAQUE SIGNALETIQUE PLACA DE CHARACTERIST TARGA DATI	FM appr.	1	1
9	83 93 50	CONNECTION PLATE		1	1
	83 93 51	KOPPLINGSSKYLT		1	1
	404 12 00	KUPPLUNGSSCHILD		-	1
	426 71 00	PLAQUE DE BRANCHEM.		-	1
	426 75 00	PLACA DE CONEXION		-	1
	471 77 02	PIASTRA DI COLLEG.		1	1
	650 09 00			1	1
	650 10 00			-	1
	650 22 00			1	1
650 23 00			1	1	
657 79 00			-	1	
10	82 20 88	DRIVE SCREW	4X5-A2-70	2	2
	84 24 45	DRIVSKRUV TREIBSCHRAUBE VIS FILETANTE TORNILLO VITE AUTOFIETTANTE		4	4


		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
11	82 00 11	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M6X12-A2-70	2	-
13	642 16 00	EARTHING PLATE SKYDDSLEDARPLATTA ERDUNGSPLATTE PLAQUE DE TERRE PLACA DE TIERRA PIASTRA DI TERRA		1	-
14	94 19 22	CONTROL CABLE MANÖVERKABEL STEUERKABEL CABLE AUXILIAIRE CABLE AUXILIAR CAVO AUSILIARIO	SUBCAB 7X1,5 MM2 OD=15-17	*	*
15	397 81 00	GLAND SCREW HYLSSKRUV VERSCHRAUBUNG ECROU DE SERRAGE TORNILLO DE CAMISA VITE DI SERRAGGIO		1	1
21.1	82 40 61	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	24.5X35X2-A2-70	2	2
21.2	84 17 92	SEAL SLEEVE TÄTNINGSHYLSA DICHTUNGSHÜLSE DOUILLE DE JOINT MANGUITO DE JUNTA GOMMINO ENTR.CAVO	DIAM=18;L=26	1	1
21.3	398 98 03	CLAMP KLÄMMA KLEMME CRAMPON ABRAZADERA FASCETTA		1	1



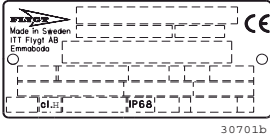

		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
23	94 09 31	NSSHÖU 3X6+3X6/3E+3X1,5, max 70°C (158°F) -22 mm	*	*	
	94 09 32	NSSHÖU3X16+3X16/3E+3X2,5, max 70°C (158°F) -28 mm	*	*	
	94 09 37	NSSHÖU 3X2,5+3X2,5/3E.. max 70°C (158°F) -18,5 mm	*	*	
	94 20 56	SUBCAB 4G6+2X1.5 mm ² , max 70°C (158°F)(23) -25 mm	*	*	
	94 20 57	SUBCAB 4G10+2X1,5 mm ² , max 70°C (158°F)(26) -28 mm	*	*	
	94 20 59	SUBCAB 4G2.5+2X1.5mm ² , max 70°C (158°F)(17) -18 mm	*	*	
	94 20 60	SUBCAB 4G4+2X1.5mm ² , max 70°C (158°F)(17) -18 mm	*	*	
	94 20 80	SUBCAB 7G4+2X1.5 mm ² , max 70°C (158°F)(22) -26 mm	*	*	
	94 20 81	SUBCAB 7G6+2X1,5 mm ² , max 70°C (158°F)(24,3) -28,3 mm	*	*	
	94 20 82	SUBCAB 7G2,5+2X1,5mm ² , max 70°C (158°F)(20) -23 mm	*	*	
	94 21 02	SUBCAB 14 AWG/7, max 70°C (158°F)(17)(18) -20 mm	*	*	
	94 21 04	SUBCAB 12 AWG/7, max 70°C (158°F)(19,5) -21,5 mm	*	*	
	94 21 06	SUBCAB 10AWG/3-2-1GC, max 70°C (158°F)(20,3) -22,3 mm	*	*	
	94 21 08	SUBCAB 8AWG/3-2-1-GC, max 70°C (158°F)(27,2) -29,2 mm	*	*	
	94 21 09	SUBCAB 6AWG/3-2-1-GC, max 70°C (158°F)(30) -32 mm	*	*	
	24	642 17 00	ENTRANCE FLANGE	-	1
642 17 01		INFÖRINGSFLÄNS EINFUHRUNGSFLANSCH BRIDE D'ENTREE BRIDA DE ENTRADA FLANGIA ENTRATA CAVO	1	-	
26	83 04 53	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE TESTA ESAGONALE	M12X45-A4-80	2	2
31	82 74 63	O-RING	49,5X3,0 NBR	1	1
	82 81 03	O-RING	49,5X3,0 FPM	1	1
		O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR			
32	642 14 00	CONNECTION COVER		-	1
	642 14 04	KOPPLINGSLOCK		-	1
	642 14 01	ANSCHLUSS DECKEL		1	-
	642 14 05	COUVERCLE D'CONNEX. TAPA DE CONEXION COPERCHIO COLLEG.		1	-
33	82 71 33	O-RING	175,0X3,0 FPM	1	1
	82 78 35	O-RING	175,0X3,0 NBR	1	1
		O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR			






		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
35	83 04 56	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M10X35-A4-80	4	4
45	82 00 11	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M6X12-A2-70	2	2
53	82 00 11	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M6X12-A2-70	4	4
54	642 08 00	RAIL SKENA SCHIENE RAIL RIEL BARRA		1	1
56	642 16 00	EARTHING PLATE SKYDDSLEDARPLATTA ERDUNGSPLATTE PLAQUE DE TERRE PLACA DE TIERRA PIASTRA DI TERRA		2	4
61	83 33 15	BALL BEARING KULLAGER KUGELLAGER ROULEMENT A BILLES COJINETE DE BOLAS CUSCINETTO A SFERE	6306-2Z C3-Clearance (Upper bearing)	1	1
69	642 09 00	STATOR HOUSING	Execution without cooling jacket	-	1
	642 09 02	STATORHUS	Execution with cooling jacket	-	1
	642 09 01	STATORGEHÄUSE		1	-
	642 09 03	LOGEMENT DE STATOR CARCASA DE ESTATOR ALLOGGIO STATORE		1	-




		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
72	82 74 94 82 80 83	O-RING	209,3X5,7-NBR	1	1
		O-RING	209,3X5,7 FPM	1	1
		O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR			
		SHAFT UNIT AXELENHET WELLENEINHEIT UNITE D'ARBRE UNIDAD DE ARBOL ALBERO ROTORE	For motor För motor Für motor Pour moteur Para motor Per motore		
73	641 98 01	SHAFT UNIT AXELENHET WELLENEINHEIT UNITE D'ARBRE UNIDAD DE ARBOL ALBERO ROTORE	21-13-4A	1	1
73.1	641 90 02	SHAFT AXEL WELLE ARBRE ARBOL ALBERO		1	1
73.4	649 78 01	ROTOR ROTOR ROTOR ROTOR ROTOR ROTORE		1	1
73	641 98 02	SHAFT UNIT AXELENHET WELLENEINHEIT UNITE D'ARBRE UNIDAD DE ARBOL ALBERO ROTORE	21-15-4A	1	1
73.1	641 90 01	SHAFT AXEL WELLE ARBRE ARBOL ALBERO		1	1


		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
73.4	649 78 02	ROTOR ROTOR ROTOR ROTOR ROTOR ROTORE	1	1	
73	641 98 03	SHAFT UNIT AXELENHET WELLENEINHEIT UNITE D'ARBRE UNIDAD DE ARBOL ALBERO ROTORE	21-18-4A	1	1
73.1	641 90 00	SHAFT AXEL WELLE ARBRE ARBOL ALBERO		1	1
73.4	649 78 03	ROTOR ROTOR ROTOR ROTOR ROTOR ROTORE		1	1
73	648 61 00	SHAFT UNIT AXELENHET WELLENEINHEIT UNITE D'ARBRE UNIDAD DE ARBOL ALBERO ROTORE	21-18-6	1	1
73.1	641 90 00	SHAFT AXEL WELLE ARBRE ARBOL ALBERO		1	1
73.4	648 60 00	ROTOR ROTOR ROTOR ROTOR ROTOR ROTORE		1	1


		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153		
Pos.No.	Part No.	Denomination	Qty / Version			
			090	180		
79		STATOR STATOR STATOR ESTATOR STATOR STATORE				
		3~, 50 Hz, 7.5 kW, 1460 r/min (21-13-4A)	3~, 60 Hz, 8.9 kW (12.0HP), 1760 r/min (21-13-4A)			
		641 95 01	400V Δ-690V Y	460V Δ	1	1
		641 95 02	400V Y-230VΔ	460V Y-260V Δ	1	1
		641 95 03	415V Δ	—	1	1
		641 95 04	—	200-208V Δ	1	1
		641 95 05	—	460Y SER-230Y //	1	1
		641 95 06	—	380V Δ	1	1
		641 95 07	—	380V Y	1	1
		641 95 08	500V Δ	575-600V Δ	1	1
		641 95 09	380V Δ	440 V Δ	1	1
641 95 10	380V Y	440V Y	1	1		
654 97 03	415-440 V Δ (Incl thermistor 140DC)	—	—	1		
79.1	84 50 50	THERMAL CONTACT TERMOKONTAKT TERMOWÄCHTER THERMOCONTACT TERMOCONTACTO TERMOCONTATTO	Included in all stators	1	1	
79		3~, 50 Hz, 9.0 kW, 1460 r/min (21-15-4A)	3~, 60 Hz, 11.2 kW (15.0HP), 1755 r/min (21-15-4A)			
		641 94 01	400V Δ	460V Δ	1	1
		641 94 02	400V Y-230VΔ	460V Y-260V Δ	1	1
		641 94 03	415V Δ	—	1	1
		641 94 04	—	200-208V Δ	1	1
		641 94 05	—	460Y SER-230Y //	1	1
		641 94 06	—	380V Δ	1	1
		641 94 07	—	380V Y	1	1
		641 94 08	500V Δ	575-600V Δ	1	1
		641 94 09	380V Δ	440 V Δ	1	1
		641 94 10	380V Y	440V Y	1	1
654 96 03	415-440V Δ (Incl thermistor 140DC)	—	—	1		
79.1	84 50 50	THERMAL CONTACT TERMOKONTAKT TERMOWÄCHTER THERMOCONTACT TERMOCONTACTO TERMOCONTATTO	Included in all stators	1	1	


		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
		3~, 50 Hz, 11.0 kW, 1460 r/min (21-18-4A)	3~, 60 Hz, 13.4 kW (18.0HP), 1760 r/min (21-18-4A)		
79	641 93 01	400V Δ	460V Δ	1	1
	641 93 02	400V Y-230VΔ	460V Y-260V Δ	1	1
	641 93 03	415V Δ	—	1	1
	641 93 04	—	200-208V Δ	1	1
	641 93 05	—	460Y SER-230Y //	1	1
	641 93 06	—	380V Δ	1	1
	641 93 07	—	380V Y	1	1
	641 93 08	500V Δ	575-600V Δ	1	1
	641 93 09	380V Δ	440 V Δ	1	1
	641 93 10	380V Y	440V Y	1	1
	654 95 03	415-440V Δ (Incl thermistor 140DC)	—	—	1
79.1	84 50 50	THERMAL CONTACT TERMOKONTAKT TERMOWÄCHTER THERMOCONTACT TERMOCONTACTO TERMOCONTATTO		1	1
		3~, 50 Hz, 9.0 kW, 955 r/min (21-18-6)	3~, 60 Hz, 11.2 kW (18.0HP), 1150 r/min (21-18-6)		
79	647 27 01	690VY-400V Δ	460V Δ	1	1
	647 27 02	400V Y-230VΔ	460V Y-260V Δ	1	1
	647 27 03	415V Δ	—	1	1
	647 27 04	—	200-208V Δ	1	1
	647 27 05	—	460Y SER-230Y //	1	1
	647 27 06	—	380V Δ	1	1
	647 27 07	—	380V Y	1	1
	647 27 08	500V Δ	575-600V Δ	1	1
	647 27 09	380V Δ	440 V Δ	1	1
	647 27 10	380V Y	440V Y	1	1
	659 48 03	415-440V Δ (Incl thermistor 140DC)	—	—	1
79.1	84 50 50	THERMAL CONTACT TERMOKONTAKT TERMOWÄCHTER THERMOCONTACT TERMOCONTACTO TERMOCONTATTO		1	1



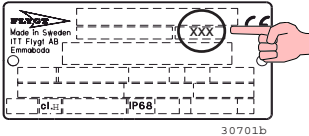
		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
82	608 12 00	COOLING JACKET (outer) KYLKÅPA KUEHLMANTEL COIFFE REFROIDISSEUR CAPOTA REFRIGERANTE CAMPANA RAFFREDDAMEN	1	1	
83	82 71 70	O-RING	221,84X3,53 FPM	1	1
	82 78 49	O-RING	221,84X3,53 NBR	1	1
		O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR			
84	82 75 01	O-RING	279,3X5,7 NBR	1	1
	82 75 22	O-RING	279,3X5,7 FPM	1	1
		O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR			
88	649 38 01	CABLE ENTRY UNIT (17)-20 mm INFÖRINGSENHET KABELINFÜHRUNGSEINH ENTREE DE CABLE UNIT ENTRADA DE CABLE UNI UNITA' ENTRATA CAVO	 30702	1	1
88.1	82 40 81	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	32.5X52X2-A2-70	4	4
88.2	84 18 01	SEAL SLEEVE (17)-20 mm TÄTNINGSHYLSA DICHTUNGSHÜLSE DOUILLE DE JOINT MANGUITO DE JUNTA GOMMINO ENTR.CAVO		2	2
88.3	597 98 02	RING RING RING ANNEAU ANILLO ANELLO		1	1


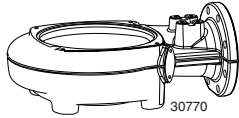





		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
88	649 38 02	CABLE ENTRY UNIT INFÖRINGSENHET KABELEINFÜHRUNGSEINH ENTREE DE CABLE UNIT ENTRADA DE CABLE UNI UNITA' ENTRATA CAVO	(20)-23 mm 	1	1
88.1	82 40 82	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	34,5X52X2-A2-70	4	4
88.2	84 18 02	SEAL SLEEVE TÄTNINGSHYLSA DICHTUNGSHÜLSE DOUILLE DE JOINT MANGUITO DE JUNTA GOMMINO ENTR.CAVO	(20)-23 mm	2	2
88.3	597 98 02	RING RING RING ANNEAU ANILLO ANELLO		1	1
88	649 38 03	CABLE ENTRY UNIT INFÖRINGSENHET KABELEINFÜHRUNGSEINH ENTREE DE CABLE UNIT ENTRADA DE CABLE UNI UNITA' ENTRATA CAVO	(23)-26 mm 	1	1
88.1	82 40 82	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	34,5X52X2-A2-70	4	4
88.2	84 18 03	SEAL SLEEVE TÄTNINGSHYLSA DICHTUNGSHÜLSE DOUILLE DE JOINT MANGUITO DE JUNTA GOMMINO ENTR.CAVO	(23)-26 mm	2	2









		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
88.3	597 98 02	RING RING RING ANNEAU ANILLO ANELLO	1	1	
88	649 38 04	CABLE ENTRY UNIT INFÖRINGSENHET KABELEINFÜHRUNGSEINH ENTREE DE CABLE UNIT ENTRADA DE CABLE UNI UNITA' ENTRATA CAVO	(26)-29 mm	1	1
88.1	82 40 82	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	34,5X52X2-A2-70	4	4
88.2	84 18 04	SEAL SLEEVE TÄTNINGSHYLSA DICHTUNGSHÜLSE DOUILLE DE JOINT MANGUITO DE JUNTA GOMMINO ENTR.CAVO	DIAM=29;L=26	2	2
88.3	597 98 02	RING RING RING ANNEAU ANILLO ANELLO		1	1
88	649 38 05	CABLE ENTRY UNIT INFÖRINGSENHET KABELEINFÜHRUNGSEINH ENTREE DE CABLE UNIT ENTRADA DE CABLE UNI UNITA' ENTRATA CAVO	(29)-32 mm	1	1
88.1	82 40 82	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	34,5X52X2-A2-70	4	4


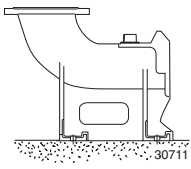














		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
88.2	84 18 05	SEAL SLEEVE TÄTNINGSHYLSA DICHTUNGSHÜLSE DOUILLE DE JOINT MANGUITO DE JUNTA GOMMINO ENTR.CAVO	DIAM=31,5;L=26	2	2
88.3	597 98 02	RING RING RING ANNEAU ANILLO ANELLO		1	1
101	650 51 00	CABLE UNIT SLADDENHET KABELEINHEIT UNITE DE CABLE UNIDAD DE CABLE UNITA' CAVO	FLS10	1	1
103	608 26 00	LEVEL SWITCH UNIT NIVÅVAKT ENHET NIVEAUÜBERWACH EINH. GARDE NIVEAU UNITE GUARDA NIVEL UNIDAD UNITA' REGOL.LIVELLO	FLS10	1	1
105	642 10 00 642 10 01	BEARING HOLDER LAGERHÅLLARE LAGERHALTER SUPPORT DE ROULEMENT SUJETADOR DE COJIN. SUPP. CUSCINETTO		- 1	1 -
107	82 59 06	RETAINING RING SPÄRRING NUTRING CIRCLIP ANILLO DE PRESION ANELLO DI SICUREZZA	SGA 40	1	1
108	82 44 15	SUPPORTING WASHER STÖDBRICKA STUETZSCHEIBE RONDELLE DE SUPPORT ARANDELA DE SOPORTE RONDELLA DI SUPPORTO		1	1


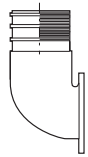
		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
109	83 30 18	BALL BEARING KULLAGER KUGELLAGER ROULEMENT A BILLES COJINETE DE BOLAS CUSCINETTO A SFERE	3308A-2Z C3-clearance (Lower bearing)	1	1
110	83 07 62	RETAINING RING SPÄRRING NUTRING CIRCLIP ANILLO DE PRESION ANELLO DI SICUREZZA	JB 90	1	1
120	642 13 00	INSPECTION SCREW INSPEKTIONSSKRUV INSPEKTIONSSCHRAUBE VIS D'INSPECTION TORNILLO DE INSPECT. VITE D'ISPEZIONE		1	1
122	82 76 85 82 79 15	O-RING O-RING O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR	17,0X3,0 NBR 17,0X3,0 FPM	1 1	1 1
129	642 12 00	SEAL HOUSING COVER TÄTNINGSHUSLOCK DICHTUNGGEH. DECKEL BOITIER DE JOINT CO. CAJA DE JUNTA TAPA ALLOGGIO TENUTA COP.		1	1
130	82 78 39	O-RING O-RING O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR	230,0X3,0 NBR	1	1
131	82 75 01 82 75 22	O-RING O-RING O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR	279,3X5,7 NBR 279,3X5,7 FPM	1 1	1 1


		Pump parts	Pièces de la pompe	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
133	83 04 56	SOCKET HEAD SCREW SEKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M10X35-A4-80	6	6
141	641 50 00 641 50 01 641 50 02	MECHANICAL SEAL PLANTÄTNING GLEITRINGDICHTUNG JOINT MECANIQUE JUNTA MECANICA TENUTA MECCANICA	Inner: WCCR / WCCR Outer: WCCR / WCCR Inner: AL ₂ O ₃ / WCCR Outer: RSiC / RSiC Inner: AL ₂ O ₃ / CSb Outer: WCCR / WCCR	1 1 1	1 1 1
145	83 04 53	SOCKET HEAD SCREW SEKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M12X45-A4-80	4	4
158		IMPELLER PUMPHJUL LAUFRAD ROUE IMPULSOR GIRANTE	Curve No. Kurva nr. Kurve Nr Courbe N ^o Curvas N ^o No curva		
	642 32 00	High head impeller "HT"	450, 50-60 Hz, 3~	1	1
	642 32 14		451, 50 Hz, 3~	1	1
	642 32 19		452, 60 Hz, 3~	1	1
	642 32 28		453, 50-60 Hz, 3~	1	1
	642 32 39		454, 50-60 Hz, 3~	1	1
	642 32 50		455, 50-60 Hz, 3~	1	1
	642 32 60		456, 50-60 Hz, 3~	1	1
	642 32 71		457, 60 Hz, 3~	1	1
	642 34 04	Medium head impeller "MT"	430, 50 Hz, 3~	1	1
	642 34 20		431, 50 Hz, 3~	1	1
	642 34 32		432, 50-60 Hz, 3~	1	1
	642 34 42		433, 50-60 Hz, 3~	1	1
	642 34 52		434, 50-60 Hz, 3~	1	1
	642 34 65		435, 50-60 Hz, 3~	1	1
	642 34 75		436, 60 Hz, 3~	1	1
	642 36 10	Low head impeller "LT"	410, 50 Hz, 3~	1	1
	642 36 22		411, 50 Hz, 3~	1	1
	642 36 33		412, 50-60 Hz, 3~	1	1
	642 36 43		413, 50-60 Hz, 3~	1	1
	642 36 54		414, 50-60 Hz, 3~	1	1
	642 36 63		415, 50-60 Hz, 3~	1	1
	654 77 00		620, 50 Hz, 3~	1	1


		Pump parts Pumpdetaljer Pumpenteile	Pièces de la pompe Piezas para bombas Parti pompa	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
158	654 77 15	Low head impeller "LT"	621, 50 Hz, 3~	1	1
	654 77 30		622, 50-60 Hz, 3~	1	1
	654 77 45		623, 50-60 Hz, 3~	1	1
	654 77 62		624, 50-60 Hz, 3~	1	1
	654 77 81		625, 50-60 Hz, 3~	1	1
162	82 37 05	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	A2-A 200	1	1
169	83 04 55	SOCKET HEAD SCREW SEKKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M12X110-A480	1	1
200		PUMP HOUSING PUMPHUS PUMPENGEHÄUSE CORPS DE POMPE CUERPO DE BOMBA CORPO POMPA			
	643 62 00	"HT" High head version DN 100 (4")	 Undrilled	1	1
	643 62 01	"HT" High head version DN 100 (4")	 Drilled to SMS 342 and DIN 2533	1	1
	643 62 05	"HT" High head version DN 100 (4")	 Drilled to ANSI B16.1-1975 Table 5	1	1
	643 63 00	"MT" Medium head version DN 150 (6")	 Undrilled	1	1
	643 63 06	"MT" Medium head version DN 150 (6")	 Drilled to SMS 342, DIN 2533, BS 4622:1970 Table 11 and B16.1-1975 Table 5	1	1


		Pump parts Pumpdetaljer Pumpenteile	Pièces de la pompe Piezas para bombas Parti pompa	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
200	643 64 00	"LT" Low head version DN 200 (8")	 Undrilled	1	1
	643 64 06	"LT" Low head version DN 200 (8")	 Drilled to SMS 342 and DIN 2532	1	1
	643 64 07	"LT" Low head version DN 200 (8")	 Drilled to BS 4622:1970 Table 11	1	1
	654 78 00	"LT" Low head version DN 250 (10")	 Undrilled	1	1
	654 78 01	"LT" Low head version DN 250 (10")	 Drilled to DIN 2532/1976 BS 4504:1969 Table 10/11, BS 4622 Table 10	1	1
	654 78 05	"LT" Low head version DN 250 (10")	 Drilled to ANSI B 16.1-1975 Table 5	1	1
	654 78 07	"LT" Low head version DN 250 (10")	 Drilled to BS 4622: 1970 Table 11, BS 4504: 1969 Table 16/11	1	1
202	83 04 56	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M10X35-A4-80	2	2
203	648 00 00	COVER LOCK DECKEL COUVERCLE TAPA COPERCHIO		1	1
204	82 74 01	O-RING O-RING O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR	44,2X5,7 NBR	1	1


		Sump components Pumpgropsdetaljer Schachteinbauteile	Equipment du puisard Equipo para pozo negro Componenti per versione	3153			
Pos.No.	Part No.	Denomination	Installation Installation Aufstellungsart	_P	Installation Instalación Installazione	Qty / Version	
						090	180
205		DISCHARGE CON.STAT. TRYCKANSL. STATIONÄR DRUCKANSCHLUSS STAT. ORIFICE DE REF. STAT. ORIFICIO DE REC. STAT PIEDE ACCOPPIAMENTO					
	374 76 00	DN 200 (8") LT Low head version		Undrilled		1	1
	374 76 01	DN 200 (8") LT Low head version		Drilled to SMS 342 and DIN 2532		1	1
	374 76 07	DN 200 (8") LT Low head version		Drilled to BS 4622:1970 Table 11		1	1
	481 76 00	DN 250 (10") LT Low head version		Undrilled		1	1
	481 76 01	DN 250 (10") LT Low head version		Drilled to EN 1092-2 Table 8		1	1
	481 76 05	DN 250 (10") LT Low head version		Drilled to ANSI B16.1:1967 Table 5		1	1
	481 76 07	DN 250 (10") LT Low head version		Drilled to EN 1092-2 Table 9		1	1
	444 70 00	DN 150 (6") MT Medium head version		Undrilled		1	1
	444 70 06	DN 150 (6") MT Medium head version		Drilled to SMS 342, DIN 2532, BS 4622:1970 Table 11 and ANSI B16. 1:1975 Table 5		1	1
	540 13 00	DN 100 (4") HT High head version		Undrilled		1	1
	540 13 01	DN 100 (4") HT High head version		Drilled to SMS 342 and DIN 2532		1	1
	540 13 05	DN 100 (4") HT High head version		Drilled to ANSI B16.1:1975 Table 5		1	1
	620 01 10 620 02 10	DN 100 (4") HT High head version		Undrilled. Note only for "Top 100" and "Top 150"		1 1	1 1
	620 03 10 620 04 10	DN 150 (6") MT Medium head version		Undrilled. Note only for "Top 150" and "Top 150"		1 1	1 1


		Sump components Pumpgropsdetaljer Schachteinbauteile	Equipment du puisard Equipo para pozo negro Componenti per versione	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
209	651 07 00	GUIDING CLAW STYRKLO FÜHRUNGSKLAUE GRIFFE DE GUIDAGE GARRA DE GUIA STAFFA SCORREVOLE	1	1	
210	83 04 53	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M12X45-A4-80	4	4
211		Installation Installation Aufstellungsart	_S	Installation Instalación Installazione	
		DISCHARGE CONNECTION TRYCKANSLUTNING DRUCKANSCHLUSS ORIFICE DE REFOULEM. ORIFICIO DE RECALC. ATTACCO TUBO	 30703		
	259 82 02	DN 100 (4")		1	1
	259 84 00	DN 100 (4")	4-8 NPSM	1	1
	259 84 01	DN 100 (R4")	Threaded R4 Inches	1	1
	295 57 00	DN 150 (6")		1	1
	309 31 00	DN 150 (6")	6-8 NPSM	1	1
	309 31 01	DN 150 (R6")	Threaded R6 Inches. With quick coupling	1	1
	379 32 00	DN 200 (8")		1	1
	479 26 00	DN 250 (10")		1	1
	281 79 00	DN 200 (8")		1	1
212	84 34 07	HEXAGON HEAD BOLT	M16X60-A2-70	4	4
	84 34 32	SEXKANTSKRUV	M20X70-A2-70	8	8
	84 34 34	SECHSKANTSCHRAUBE	M20X80-A2-70	8	8
		VIS A TÊTE HEXAGONAL			
		TORNILLO DE CAB. EXAG			
		BULLONE TESTA ESAG.			
213	82 35 23	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	16-A2-A 140	4	4


		Sump components Pumpgropsdetaljer Schachteinbauteile	Equipment du puisard Equipo para pozo negro Componenti per versione	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
215	82 23 61	HEXAGON NUT	M16-A2-70	4	4
	82 23 62	SEKKANTMUTTER MUTTER ECROU TUERCA DADO ESAGONALE	M20-A2-70	8	8
216	259 83 00	GASKET	4"	1	1
	283 19 00	PACKNING	8"	1	1
	295 64 00	PACKUNG	6"	1	1
	384 45 00	JOINT	8"	1	1
		JUNTA GUARNIZIONE			
217	380 92 01	STAND	S-installation 8"-10" and T-installation	1	1
		STATIV	LT version DN 250		
	380 92 02	STATIV	T-installation LT DN 300	1	1
	396 11 00	BATI BASTIDOR CAVALLETTO	S/T-installation MT/HT version	1	1
218	81 43 73	HEXAGON HEAD SCREW	20X100-A2-70	4	4
	84 34 03	SEKKANTSKRUV	M16X40-A2-70	4	4
	84 34 07	SECHSKANTSCHRAUBE	M16X60-A2-70	4	4
	84 34 28	VIS A TÊTE HEXAGONAL	M20X50-A2-70	4	4
	84 34 34	TORNILLO DE CAB. EXAG	M20X80-A2-70	4	4
		VITE TESTA ESAGONALE			
219	82 35 23	WASHER	16-A2-A 140	4	4
	82 35 26	BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	20-A2-A 140	4	8

		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
220.1	81 52 49	HEXAGON HEAD SCREW	U6S 3/4 UNCX32-A2-70 (MT DN 200)	4	4
	81 52 17	SEKKANTSKRUV	U6S 1/2 UNCX32-A2-70 (HT DN 150)	4	4
	81 41 56	SECHSKANTSCHRAUBE VIS A TÊTE HEXAGONAL TORNILLO DE CAB. EXAG VITE TESTA ESAGONALE	M12X35-A2-70 (LT DN 250/300)	4	4
220.2	274 45 00	CLEANING DOOR	MT DN 200	1	1
	274 45 01	RENSLUCKA	LT DH 250/300	1	1
	295 53 00	REINIGUNGSDECKEL	HT DN 150	1	1
		REGARD DE NETTOYAGE PUERTA DE LIMPIEZA PORTA PULITURA			
220.3	274 48 00	GASKET	MT DN 200	1	1
	295 54 00	PACKNING PACKUNG JOINT JUNTA GUARNIZIONE	HT DN 150	1	1
221	84 65 82	GASKET	250 PN 10	1	1
	84 65 87	PACKNING	150 PN 10	1	1
	84 65 88	PACKUNG	200 PN 10	1	1
	84 65 93	JOINT JUNTA GUARNIZIONE	125 PN 10	1	1
222	84 34 03	HEXAGON HEAD SCREW SEKKANTSKRUV SECHSKANTSCHRAUBE VIS A TÊTE HEXAGONAL TORNILLO DE CAB. EXAG VITE TESTA ESAGONALE	M16X40-A2-70	4	4
227	83 19 34	COUPLING PART	R 4"	1	1
	83 19 36	KOPPLINGSHALVA KUPPLUNGSHÄLFTE SEMI ACCOUPLEMENT SEMI ACOPLAMIENTO SEMI-GIUNTO	R 6"	1	1
231	93 00 77	SHRINK HOSE	ID 6,40.35	*	*
	93 00 78	KRYMPSLANG SCHRUMPFSCHLAUCH TUYAU DE FRETTAGE MANGUERA DE SUNCHADO TUBO DI RIDUZIONE	ID 9,5	*	*

		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination		Qty / Version	
				090	180
232	83 53 36	TERMINAL CLAMP KOPPLINGSKLÄMMA ANSCHLUSSKLEMME BORNE DE RACCORDEM. BORNE DE CONEXION MORSETTO	WEIDMÜLLER WDU2,5	3	3
233	83 53 37	TERMINAL CLAMP KOPPLINGSKLÄMMA ANSCHLUSSKLEMME BORNE DE RACCORDEM. BORNE DE CONEXION MORSETTO	WEIDMÜLLER WDU10/16	8	8
	83 53 58		WEIDMÜLLER WDU6/10	6	6
234	83 53 38	CROSS CONNECTION TVÄRFÖRBINDNING QUERVERBINDUNG CONEXION TRANSVERS. CONEXION TRANSVERS. COLLEGAM. TRASVERSALE	WEIDMÜLLER WQV 10/2	4	4
	83 53 59		WEIDMÜLLER WQV 6/2	3	3
	650 20 00			1	1
	650 20 01			1	1
235	83 53 54	END SUPPORT ÄNDSTOPP ENDANSCHLAG ARRET DE BOUT TOPE DE DETRAS SUPPORTO FINALE	WEW 35/2	2	2
239	457 92 00	SLEEVE HYLSA HÜLSE DOUILLE MANGUITO BUSSOLA	Only for US market (Stator housing sealed off from the junction box.)	1	1
	443 69 00			1	1
239.1	81 98 45	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	Part of 443 69 00	1	1
239.2	82 35 13	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA	Part of 443 69 00	3	3

		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
240	607 48 00	SPRING FJÄDER FEDER RESSORT RESORTE MOLLA	1	1	
241	82 71 33 82 78 35	O-RING	175,0X3,0 FPM	1	1
		O-RING	175,0X3,0 NBR	1	1
		O-RING			
		ANNEAU TORIQUE ANILLO TORICO ANELLO OR			
242	608 22 00 642 11 00 642 11 01 608 22 01	ADAPTER	Execution with cooling jacket	–	1
		MELLANDEL	Execution without cooling jacket	–	1
		ZWISCHENTEIL		1	–
		ADAPTEOR ADAPTOR		1	–
243	83 04 57	SOCKET HEAD SCREW SEXKANTHÅLSKRV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M8X16-A4-80	2	2
244	583 32 02	SEAL RING TÄTNINGSRING DICHTUNGSRING ANNEAU DE JOINT ANILLO DE JUNTA ANELLO DI TENUTA	FPM	6	6
245	82 75 01 82 75 22	O-RING	279,3X5,7 NBR	1	1
		O-RING	279,3X5,7 FPM	1	1
		O-RING			
		ANNEAU TORIQUE ANILLO TORICO ANELLO OR			
246	82 78 39	O-RING O-RING O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR	230,0X3,0 NBR	1	1

		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
247	82 95 69	O-RING O-RING O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR	84,4X4,0 FPM	1	1
248	608 27 00	STRIP BAND BAND BANDE BANDAS		1	1
249	82 32 50	CLAMP KLÄMMA KLEMME CRAMPON ABRAZADERA FASCETTA		1	1
251	642 13 00	INSPECTION SCREW INSPEKTIONSSKRUV INSPEKTIONSSCHRAUBE VIS D'INSPECTION TORNILLO DE INSPECT. VITE D'ISPEZIONE		2	2
252	82 76 85 82 79 15	O-RING O-RING O-RING ANNEAU TORIQUE ANILLO TORICO ANELLO OR	17,0X3,0 NBR 17,0X3,0 FPM	2 2	2 2
253	608 13 00	COOLING JACKET KYLKÅPA KÜHLMANTEL COIFFE REFROIDISSEUR CAPOTA REFRIGERANTE CAMPANA RAFFREDDAMEN	inner	1	1
254	608 14 00	FLOW DIFFUSER FLÔDES DIFFUSOR STRÖMUNGSKONUS DIFFUSEUR DE COURANT DIFUSOR DE CORRIENTE DIFFUSORE CORRENTE		1	1

		Motor parts Motordetaljer Motorteile	Pièces du moteur Piezas del motor Parti motore	3153	
Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
255	82 00 11	SOCKET HEAD SCREW SEXKANTHÅLSKRUV SCHRAUBE VIS TORNILLO VITE A BRUGOLA	M6X12-A2-70	4	4
256	608 24 00	WASHER BRICKA SCHEIBE RONDELLE ARANDELA RONDELLA		4	4
258	643 65 00	SLEEVE HYLSA HUELSE DOUILLE MANGUITO BUSSOLA		1	1
259	643 66 00	GLAND SCREW HYLSSKRUV VERSCHRAUBUNG ECROU DE SERRAGE TORNILLO DE CAMISA VITE DI SERRAGGIO		1	1
270	608 31 00	LOCK WASHER LÅSBRICKA SICHERUNGSBLECH RONDELLE DE BLOCAGE ARANDELA DE CIERRE RONDELLA DI BLOCCAG.		1	-
300	83 58 57	ALARM UNIT LARMCENTRAL ALARMZENTRALE CENTRALE DE ALARME CENTRAL DE ALARMA UNITA' D'ALLARME	"MINCAS" II	1	1

84 15 47 IS KIT
 84 15 48 IS SATS
 IS SATZ
 JEU DE IS
 JUEGO DE IS

Standard (Intermediate service kit)
 Warm liquid version up to 70°C, 158°F

657 17 00 BASIC REPAIR KIT
 GRUNDREPARATIONSSATS
 GRUNDREPARATURSATZ
 KIT PALIER
 JUEGO BASICO DE REP.
 KIT DI RIPARAZIONE

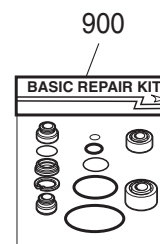
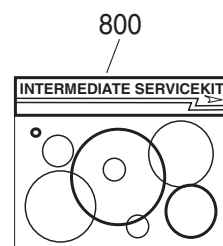
Recommended spare parts

I= Intermediate Service Kit; parts for inspection and maintenance
 I= Intermediate Service Kit; artiklar för inspektion och underhåll
 I= Intermediate Service Kit; Teile für Kontrolle und Wartung

I= Intermediate Service Kit; pièces pour inspection et maintenance
 I= Intermediate Service Kit; piezas para inspección y mantenimiento
 I= Intermediate Service Kit; parti per ispezione e mantenimento

B= Basic Repair Kit; parts for major overhaul
 B= Basic Repair Kit; artiklar för större genomgång
 B= Basic Repair Kit; Teile für Generalüberholung

B= Basic Repair Kit; pièces pour révision complète
 B= Basic Repair Kit; piezas para revisiones importantes
 B= Basic Repair Kit; parti per revisioni complete



I (* = Hot water version)				B			
Item No	Part No.	Denomination	Qty	Item No	Part No.	Denomination	Qty
31	82 74 63	O-RING	1	61	83 33 15	BALL BEARING	1
	82 81 03*	(Entrance flange)					
33	82 78 35	O-RING	1	107	82 59 06	RETAINING RING	1
	82 71 33*	(Entrance cover)					
72	82 74 94	O-RING	1	109	83 30 18	BALL BEARING	1
	82 80 83*	(Conversion part)					
83	82 78 49	O-RING	1	110	83 07 62	RETAINING RING	1
	82 71 70*	(Cooling jacket external)					
84	82 75 01	O-RING	1	141	641 50 00	MECHANICAL SEAL	1
	82 75 22*	(Cooling jack ext.)					
				244	583 32 02	SEAL RING	1
				247	82 95 69	O-RING	1

I (* = Warm liquid version)				B			
Item No	Part No.	Denomination	Qty	Item No	Part No.	Denomination	Qty
122	82 76 85 82 79 15*	O-RING (Inspection screw)	1	800	84 15 47 84 15 48*	O-RING KIT	1
130	82 78 39	O-RING (Pump housing)	1				
131	82 75 01 82 75 22*	O-RING (Cooling bottom)	1				
241	82 78 35 82 71 33*	O-RING (Bearing holder)	1				
245	82 75 01 82 75 22	O-RING	1				
246	82 78 39	O-RING (Flow cone)	1				
252	82 76 85 82 79 15*	O-RING (Inspection screw)	2				

Recommended spare parts



**For Service
För Service
Für Reparaturen**

**Pour maintenance
Para mantenimiento
Par la manutenzione**

3153

Pos.No.	Part No.	Denomination	Qty / Version		
			090	180	
	90 37 08	MONOPROPYLENE GLYCOL MONOPROPOLENEGLYKOL MONOPROLYLEN GLYKOL 10,5 litres (11.2 US quarts)	Pump without cooling jacket = approx. 2,2 litres (2.3 US quarts) Pump with cooling jacket = approx.	*	*
		<u>Tools</u>	<u>Range of use</u>		
	83 95 42	Pump	Inspection chamber		
	84 08 02	Circlip plier (SGA 19-60 mm)	Mechanical seal unit		
	84 08 11	Circlip plier (SGH 85 165 mm)	Outer bearing		
	84 08 60	Crow bar (2x)	Mechanical seal unit		
	84 10 16	Ratchet handle	Sockets		
	84 11 40	Combination wrench	Level switch		
	84 13 03	Hexagon bit adapter	Terminal's rail, earthing		
	84 13 05	Hexagon bit adapter handle	Plugs, connection cover, lift		
	84 13 06	Hexagon bit adapter pump housing	Impeller screw, cable entry,		
	84 13 62	Puller	Inner bearing		
	84 14 77	Hexagon bit adapter	Cooling guide		
	84 14 80	Hexagon bit adapter	Impeller		
	84 14 89	Allen keys set (9x)	Mechanical seal unit		
	84 15 55	Extension bar (L= 125 mm)	Sockets		
	332 91 00	Puller	Spring		
	608 20 00	Mounting/dismounting tool	Main bearing		
	608 23 00	Stand	Pump fixation		
	398 31 00	Mounting sleeve	Mechanical seal unit		

Parts for Service

NOTES

A series of horizontal dotted lines for writing notes.



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