



Sumitomo Drive Technologies

Sumitomo Drive Technologies

With over 40 years of experience in the Palm Oil Industry and an extensive direct network in Southeast Asia, we are able to provide professional support and assistance required for your Palm Oil applications.

Ready stocks available at:
Malaysia, Indonesia, Thailand

- ★ Asia Pacific Headquarters
- ★ Manufacturing Hub
- Assembly & Service
- Service
- ▲ Regional Sales Office

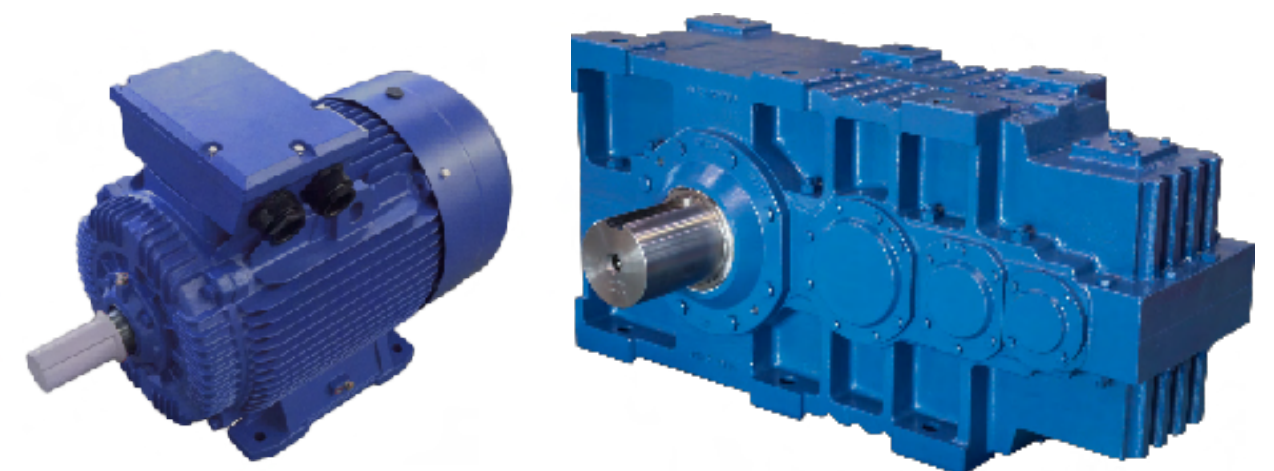


Sumitomo (SHI) Cyclo Drive Asia Pacific Pte. Ltd.
www.SumitomoDrive.com

For worldwide locations, please visit www.sumitomodrive.com/worldwide
Contact your local representative at www.sumitomodrive.com/representative
Paramax YHD Series with SMmotor for Palm Oil Industry brochure 2026.04

PARAMAX® YHD SERIES

for Palm Oil Industry

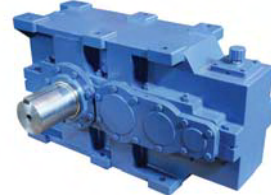




PARAMAX® YVA040



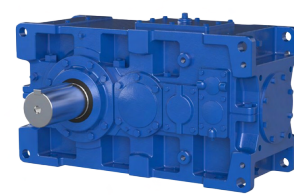
PARAMAX® YVD060



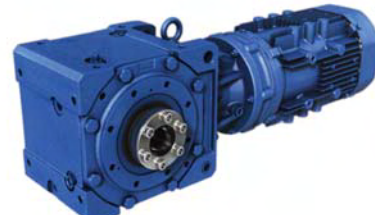
PARAMAX® YHD070



PARAMAX® YHD080P3



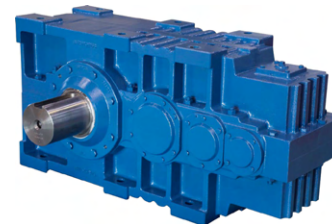
PARAMAX® 9000

CYCLO® 6000
SPEED REDUCERCYCLO® 6000
GEARMOTORBEVEL BUDDYBOX®
SPEED REDUCERBEVEL BUDDYBOX®
GEARMOTOR

HELICAL BUDDYBOX®



HELICAL BUDDYBOX®

CYCLO® IN-LINE
VERTICALCYCLO® VERTICAL
GEARMOTOR

PARAMAX® YHD090

Key Process in Palm Oil Mill Operation

The palm oil extraction mill and kernel processing place heavy demands on power transmission drives. Our products are suitable for all applications in the process

Sterilization Station

- Loading Ramp
- FFB Elevator
- Capstan
- Auto Feeder
- Thresher Drum
- Under Thresher Conveyor
- Fruit Elevator
- Top Cross Conveyor
- Fruit Distribution Conveyor
- Recycling Fruit Conveyor

Nut Processing Station

- Ripple Mill /Nut Cracker
- Shaking Grate
- Cracker Mixture Conveyor
- Air Lock Cracker Mixture Separator
- Cracker Mixture Conveyor
- Hydro Cyclone
- Wet Kernel Conveyor & Elevator
- Kernel Silo
- Kernel Winnowing Fan
- Air Lock Kernel Winnowing
- Sludge Conveyor

Pressing Station

- Digester
- Screw Press
- Cake Breaker Conveyor

EFB Processing Station

- Inclined Empty Bunch Conveyor
- EFB Shredder
- EFB Press
- EFB Fiber Conveyor

Clarification Station

- Oil Clarifier Stirrer
- Solid Conveyor
- Fuel Distribution Conveyor

Power Generation Station

- Fuel Distribution Conveyor
- Fuel Conveyor & Elevator
- Oil Clarifier Stirrer
- Air-lock Dust Cyclone
- Air-lock Shell Cyclone

Nut Processing Station

- Nut Polishing Drum
- Wet Nut Elevator & Conveyor
- Dry Nut Elevator & Conveyor
- Air Lock Nut Winnowing System
- Grading Drum

Aftermarket

Our personnel are the industry's most versed gearbox problem solvers. We provide both standard and tailored services, for maximum gearbox life.

Repairs

Scheduled & Emergency Repair

Repair services for all your related gearbox needs and 24-72* hour turnaround to the original factory specifications and warranty using Sumitomo-manufactured parts.

Extended warranty programs are available upon request.

Root Cause Investigation

Product Support

Apply a wide range of approaches, tools and techniques to uncover the causes of your problems.

Field Services

For Your Convenience

Most of the services offered and customized training can be performed on location.

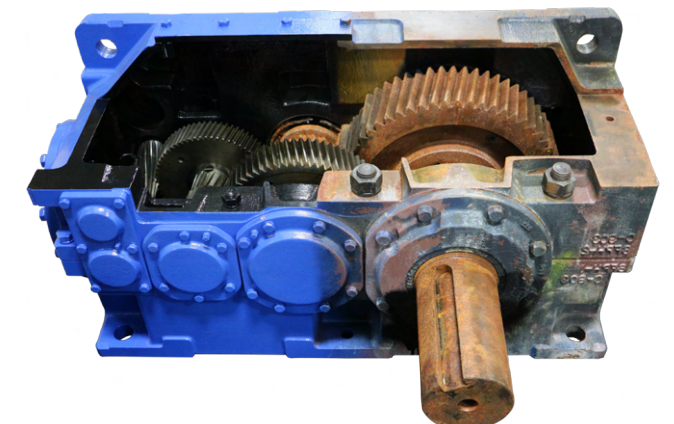
Experts in Service

Global Support, Local Service

With a vast network of engineers and gearing experts, there is no problem we can't handle.

In addition to our extensive network, our Manufacturing and Services provides unmatched capabilities and expertise in the area of custom gearbox repair and service. No gearbox is too big for us to handle.

Whether custom gear manufacturing or on-site gearbox repair, let our team keep your operation running.



We offer free health checks for all gearboxes and gearmotors at your Palm Oil Mill*

- Factory inspection
- Comprehensive reports
- Maintenance advices
- Consultation & Technical presentation
- Training & Seminars
- Speedy quotation and delivery

**Services limited to Malaysia and Indonesia only*

Paramax® Features

One of our best sellers and a common go to drop-in product is our Paramax® industrial gearboxes. This durable and large power transmission system comes in medium to large-sized bevel and helical combinations with:

- Single, double, triple and quadruple reduction available
- Global Standardization
- Versatility to meet your specific needs

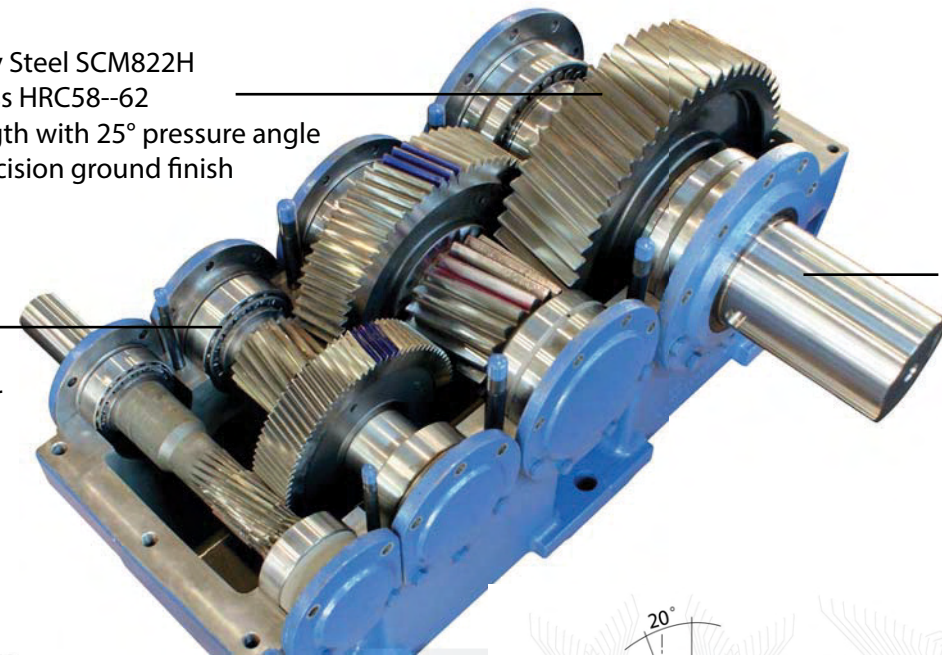


Gears

- Carburized Alloy Steel SCM822H
- Surface Hardness HRC58--62
- Increased strength with 25° pressure angle
- Hardened & precision ground finish
- Grade 12

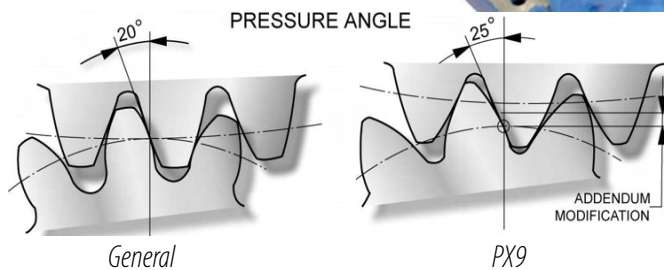
Bearings

- Taper roller bearing or spherical roller bearing

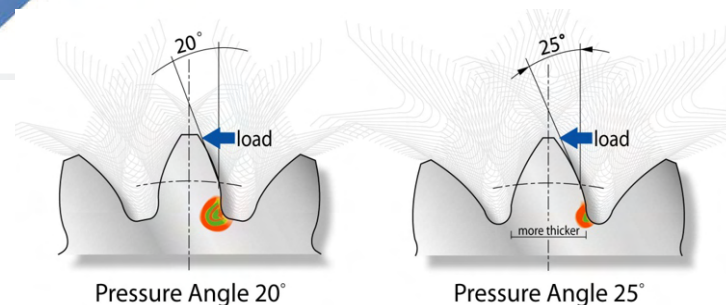


Shaft

- Heat treated alloy steel SCM440H
- Tempered & ground finish



- High radius of curvature, lower contact stress



- Increased root thickness, >25°Operation pressure angle
- High profile shifted tooth form, higher bending capacity

Features	Benefits	Features	Benefits
AGMA 12, High Quality Gearing Accuracy	Increased strength & durability	Protuberance Hobbing	Eliminates stress concentration
Tip relief and crowning	Improves contact, reduces noise level	Pressure angle: 25°	Increases strength
Helix angle: 15°	Reduces noise level	Vacuum Carburising	Removes impurities, reduces residual stresses
Vacuum degassed alloy steel	Consistent quality, prevents stress concentration due to impurities	Reinforced Cast Iron Housing	For reduced weight and optimum strength
Dual lip oil seals	Prevents oil leaks and water intrusion	Locally stocked and servicing	Quick delivery and servicing

General Specifications

Application	Model	Ratio	Torque (Nm)	Flippable Housing	Drywell	Page
Digester Drive	YVD065P3DG-RL-56	56.206	38,000	-	✓	9
	YVD060P3DW-RL-56	56.894	27,000	-	✓	10
	YVA055P3DW-RL-56	56.608	23,000	-	✓	11
	YVA050P3DW-RL-56	56.507	18,000	-	✓	12
	YVA040P3DG-RL-57.962	57.962	18,000	-	-	13
	YVD060P3DG-RL-57.328	57.328	32,000	-	-	14
Kernel Expeller Drive	YHD090P3-RL-54.642	54.642	93,000	✓	-	16
	YHD080P3-LR-55.066	55.066	74,000	-	-	17
	YHD070P3-55.438	55.438	74,000	✓	-	18
Screw Press Drive (P15)	YHD060P3SP-RL-55.391	55.391	48,000	✓	-	19
	YHD060P3SP-RL-78.456	78.456	45,000	✓	-	19
Screw Press Drive (P20)	YHD080P3SP-RL-76.353	76.353	74,000	-	-	20
	YHD070P3SP-RL-77.373	77.373	70,000	✓	-	21
Empty Fruit Bunch Press Drive	YHD080P3-LR-55.066	55.066	74,000	-	-	22
	YHD070P3-RL-55.438	55.438	74,000	✓	-	23
	YHD090P3-RL-54.642	54.642	93,000	✓	-	16
Thresher Drive	PHA9045P3-RL-56	56.250	13,200	-	-	24

Ambient Conditions	
Ambient Temperature	10 °C - 50 °C
Ambient Humidity	Under 85%
Elevation	Less than 1000m above sea level
Atmosphere	Well ventilated location, free of corrosion and explosive vapor

Paint Specifications	
Surface Preparation	SIS Sa 2 1/2 (Inside & Outside)
Inside Paint	Modified Alkyd Resin Primer (20-40µm)
Outside Paint	Primer: Modified Alkyd Resin Primer (40-80µm) Finish: Acrylic Alkyd Resin Paint (15-30µm)
Paint Colour	Donau Blue (Munsell 6.5PB 3.6/8.2)

Other paint specification is possible upon request.

Technical Notes
1. Lubrication: Oil Bath: Please use correct Oil Viscosity
2. Temperature correction factor must be used when calculating thermal capacity of the gearbox
3. All Gear Ratings are based on ISO 6336-1996
4. Keys and Keyways are based on JIS B 1301-1996 Parallel key in fastening type (ISO R773-1969 Close Keys)

NEW

Leak-Proof Enhancement Paramax YHD070

As awareness grows around MOSH and MOAH contamination in kernel seed oil, the demand for absolute leak prevention has never been higher. While existing double-seal solutions have proven reliable for years, industry requirements are shifting toward complete oil-tight performance throughout the entire operational life of the gearbox.

We Hear You!

We are proud to introduce our **new enhanced oil-proof sealing design**—engineered to eliminate any risk of mineral oil contamination in kernel seed oil, ONCE AND FOR ALL.



Why Choose Us?

- Targeted Solution
- Quality Assurance
- Largest regional support network

Contact us through our regional POM offices

Cikarang (Indonesia) Shah Alam (Malaysia) Chonburi (Thailand)
Tel: +62-21-29612100 Tel: +60-3-5121-0455 Tel: +66-38-454-230



NEW 100% LEAK PROOF PARAMAX® DIGESTER SERIES

Paramax® YVD065P3DG

Our new Paramax® Digester Series - YVD065P3DG, is packed with various essential features upgraded and improved to meet existing application demands. This new addition to our YHD series for the POM industry is an excellent choice if you are seeking any of the following benefits.

Full Benefits

- 100% Leak Proof - Drywell, prevents Palm Oil Contamination
- 20% Higher torque than YVD060
- Split housing for easy maintenance (YVD065)
- Long lasting gearbox
- 10 years bearing lifetime*
- SF1:66 at 55kW full load start
- 65% Lubrication oil cost saving
- Lower operating temperature
- Low maintenance cost
- 100% Japan bearings



100% Leak Proof - Drywell

0% Palm Oil contamination from digester gearbox



Long Lasting Operation

Increased 20% torque with estimated 10 years bearing life at 55kW operation (365 days x 12hrs)*



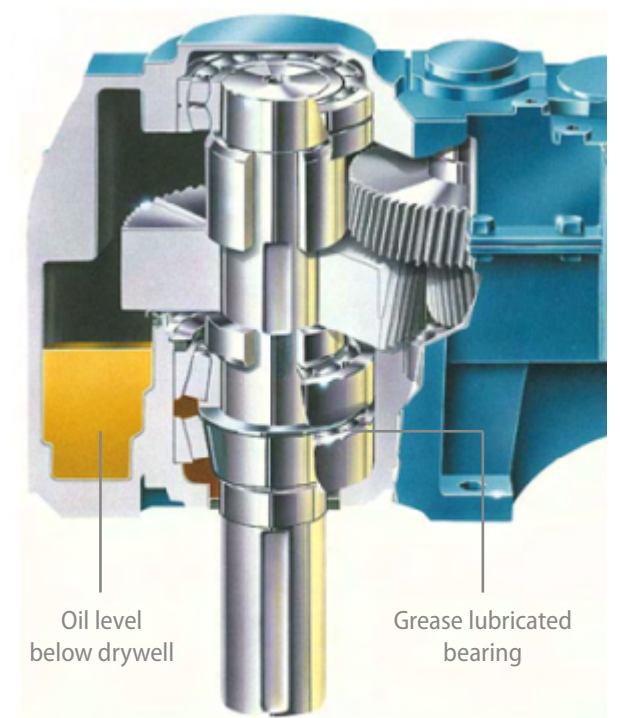
55kW Full Load Start

The highest rated torque (Nm) - SF:1.66 at 55kW in the industry for 4000L-6500L Digester Tank



Lower Maintenance Cost

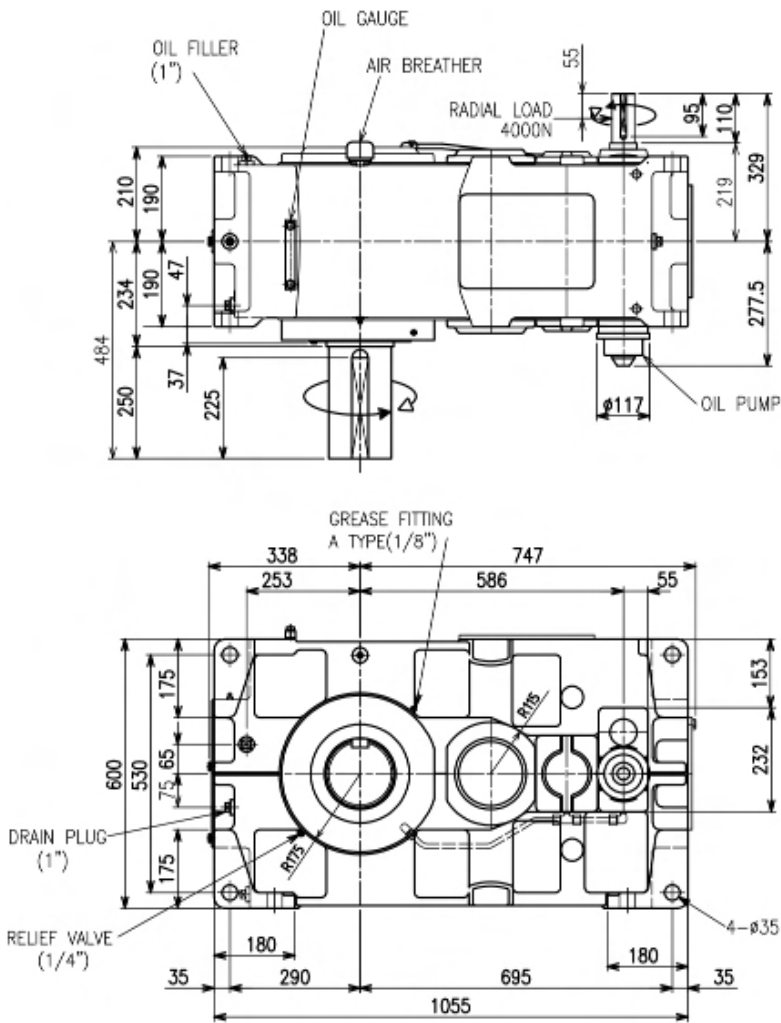
Cooler gearbox, longer oil life with 59L oil savings per oil change, ~USD1700 per gearbox over 10 years!



Drywell construction

Digester Drive 6000L New

YVD065P3DG-RL-56



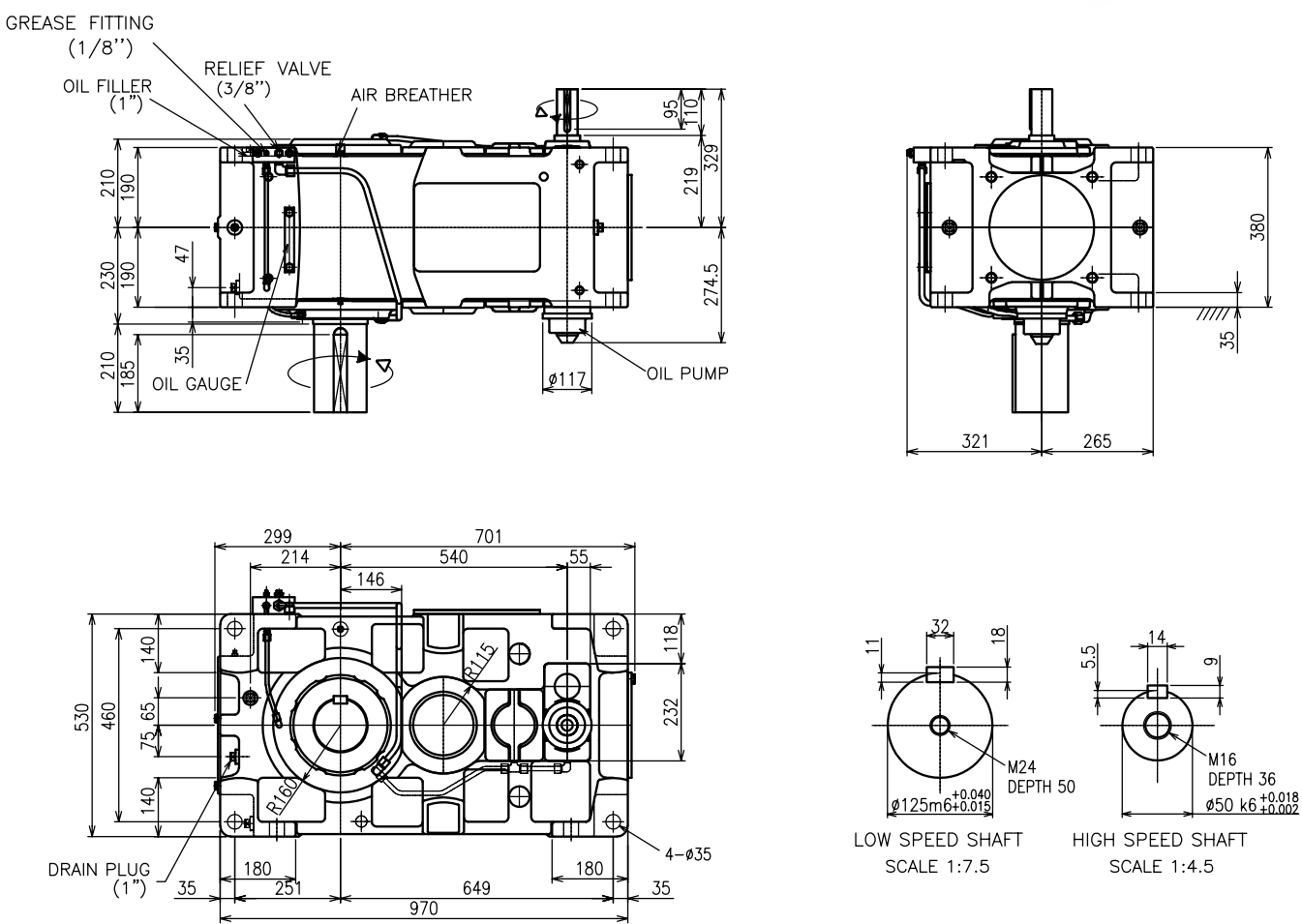
DIGESTER DRIVE 6000L REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
YVD065P3DG-RL-56	56.206	38,000	1500	26.7	106	140	50	815	35

Lubrication System Oil
Lubricant ISO VG460 AGMA 7EP

Digester Drive 4500L New

YVD060P3DW-RL-56



DIGESTER DRIVE 4500L REDUCER SPECIFICATIONS

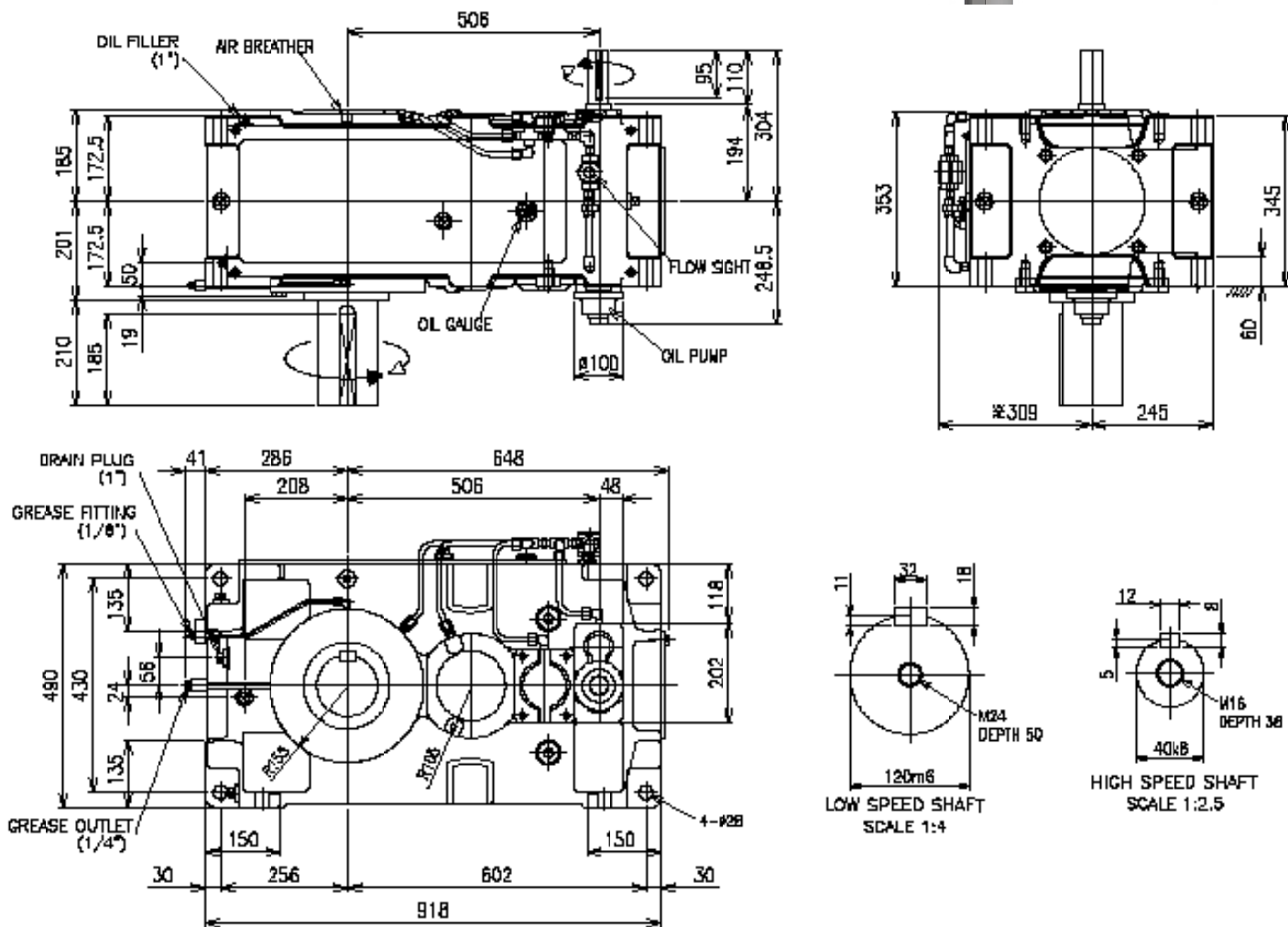
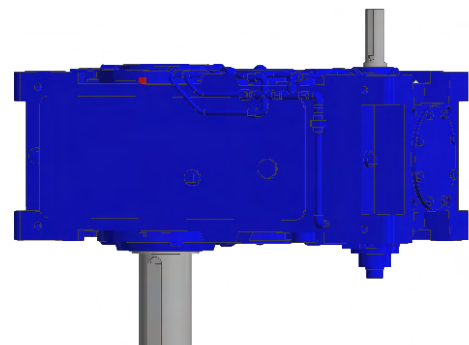
Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
YVD060P3DW-RL-56	56.894	27,000	1500	26.5	71.9	125	50	680	28

Lubrication System Oil
Lubricant ISO VG460 AGMA 7EP

Digester Drive 3500L

New

YVA055P3DW-RL-56



DIGESTER DRIVE 3500L REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
YVA055P3DW-RL-56	56.608	23,000	1500	26.5	64	120	40	525	35

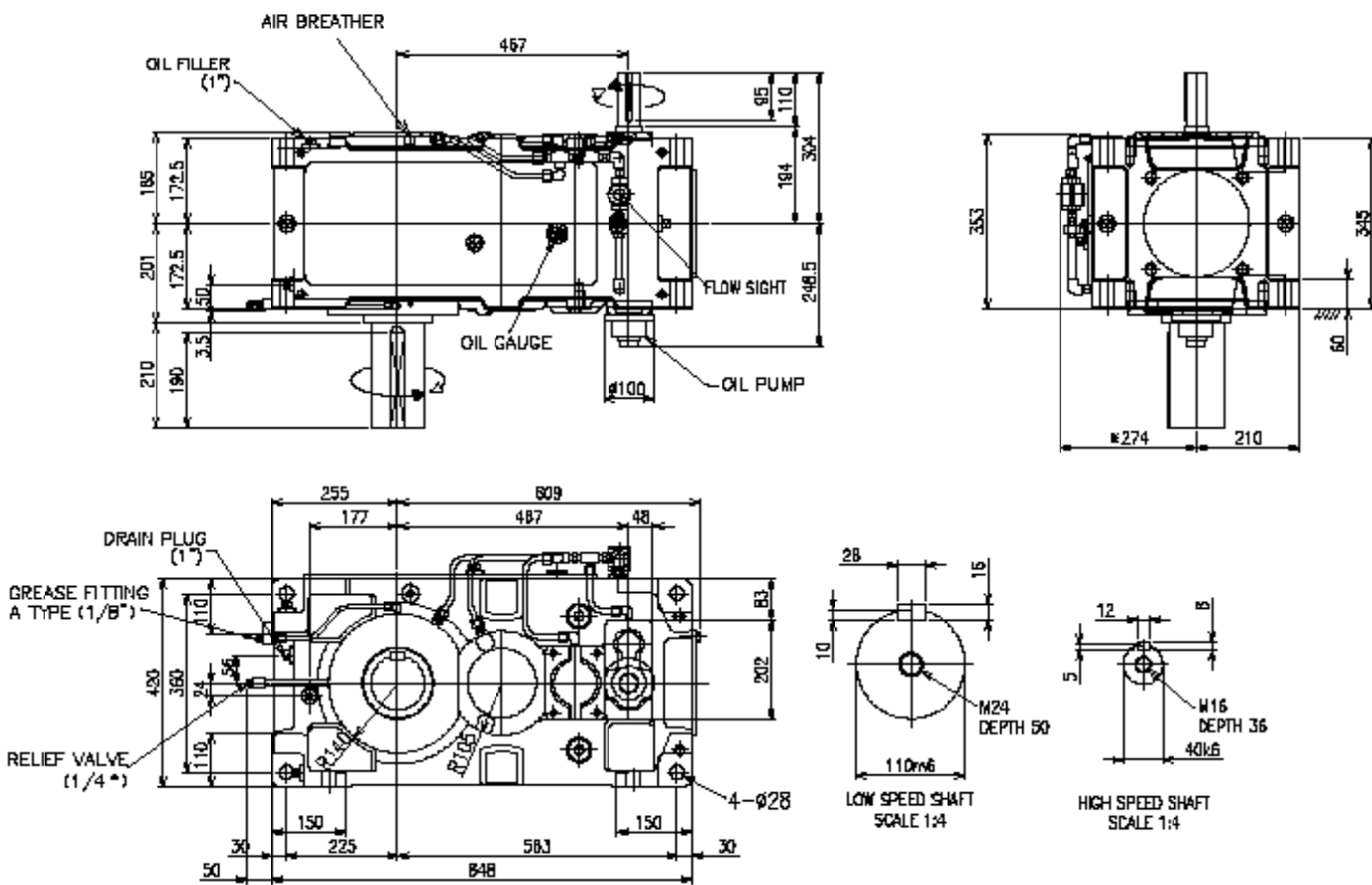
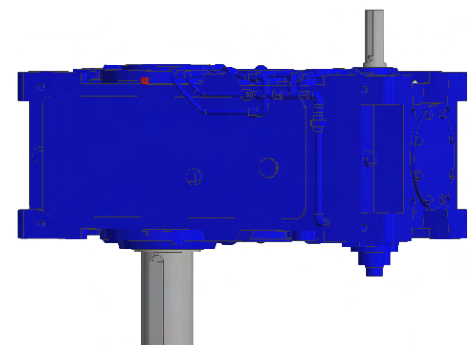
Lubrication System
Lubricant

Oil
ISO VG460 AGMA 7EP

Digester Drive 3000L

New

YVA050P3DW-RL-56



DIGESTER DRIVE 3000L REDUCER SPECIFICATIONS

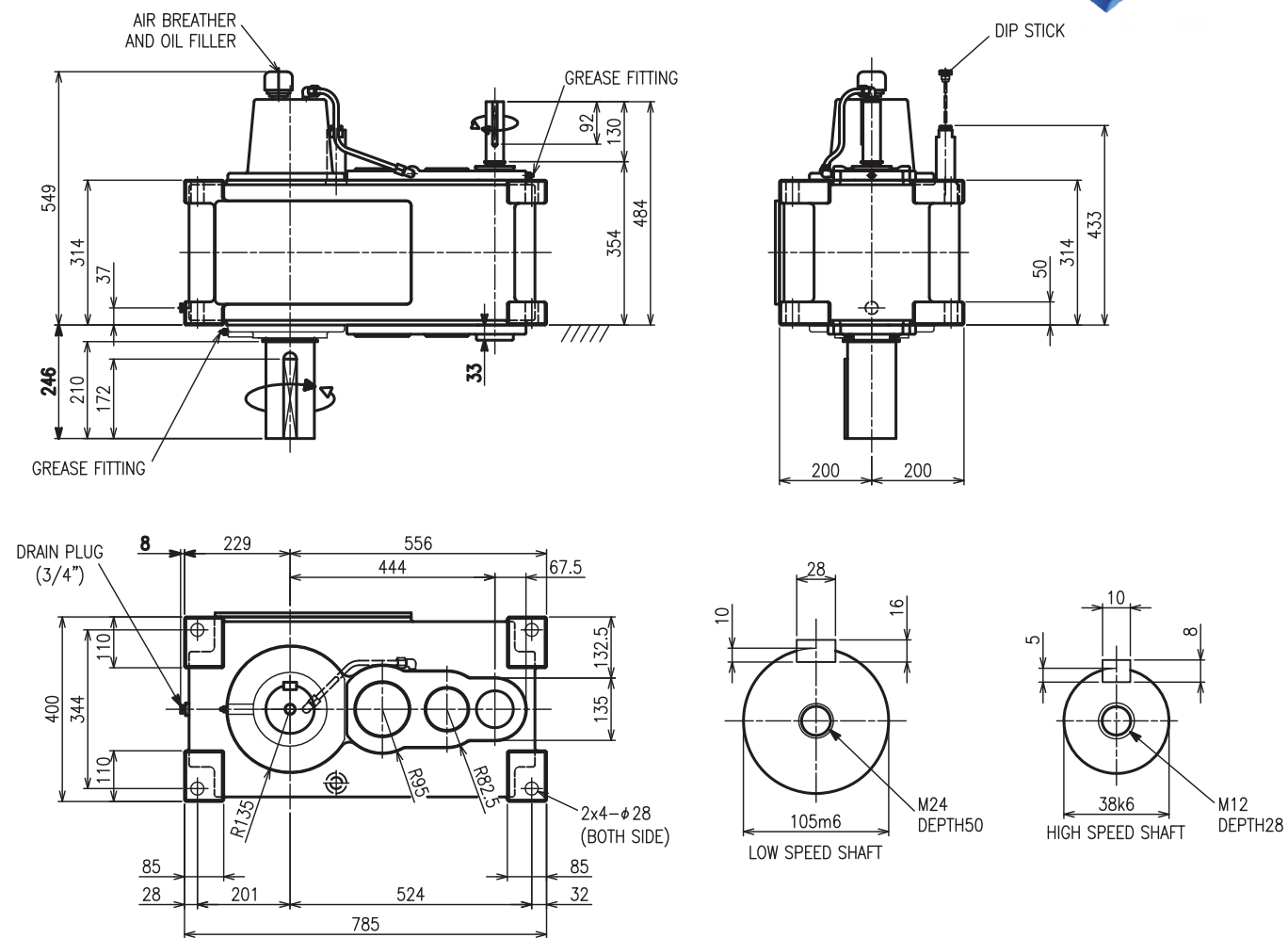
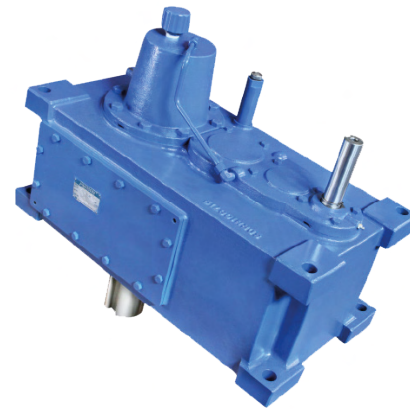
Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
YVA050P3DW-RL-56	56.507	18,000	1500	26.5	50.5	110	40	470	25

Lubrication System
Lubricant

Oil
ISO VG460 AGMA 7EP

DIGESTER DRIVE 3000L

YVA040P3DG-RL-57.962



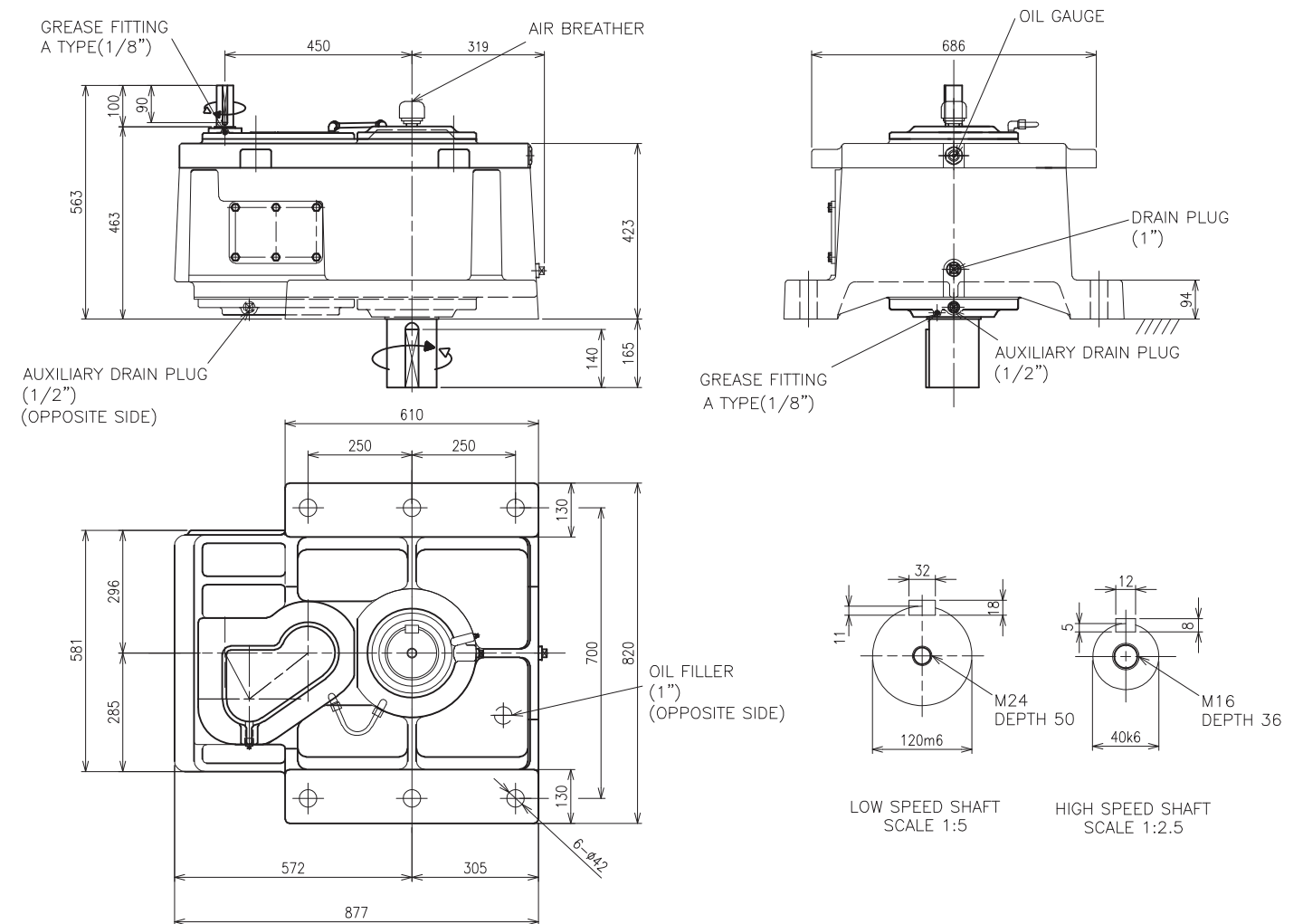
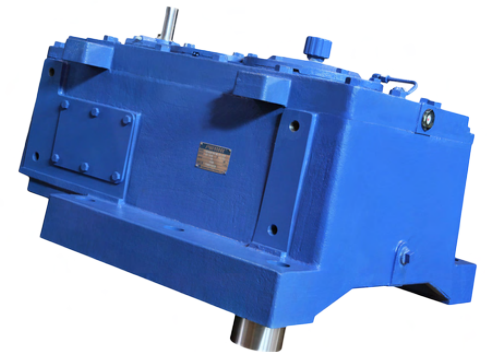
DIGESTER DRIVE 3000L REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		<i>Nm</i>	<i>rpm</i>	<i>rpm</i>	<i>kW</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>	<i>/</i>
YVA040P3DG-RL-57.962	57.962	18,000	1500	25.9	49	105	38	380	50

Lubrication System	Oil
Lubricant	ISO VG460 AGMA 7EP

DIGESTER DRIVE 6000L

YVD060P3DG-RL-57.328

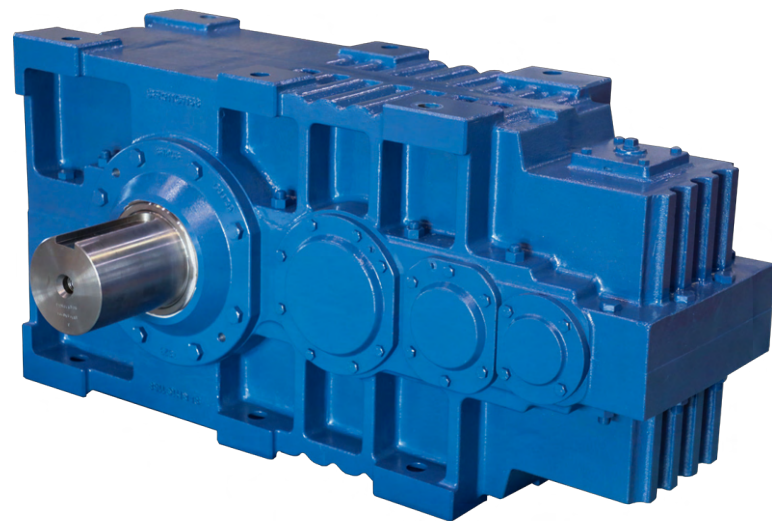


DIGESTER DRIVE 6000L REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		<i>Nm</i>	<i>rpm</i>	<i>rpm</i>	<i>kW</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>	<i>/</i>
YVD060P3DG-RL-57.328	57.328	32,000	1500	26.2	88	120	40	830	100

Lubrication System	Oil
Lubricant	ISO VG460 AGMA 7EP

Unmatched quality, backed by flawless track record since its launch in 2020.



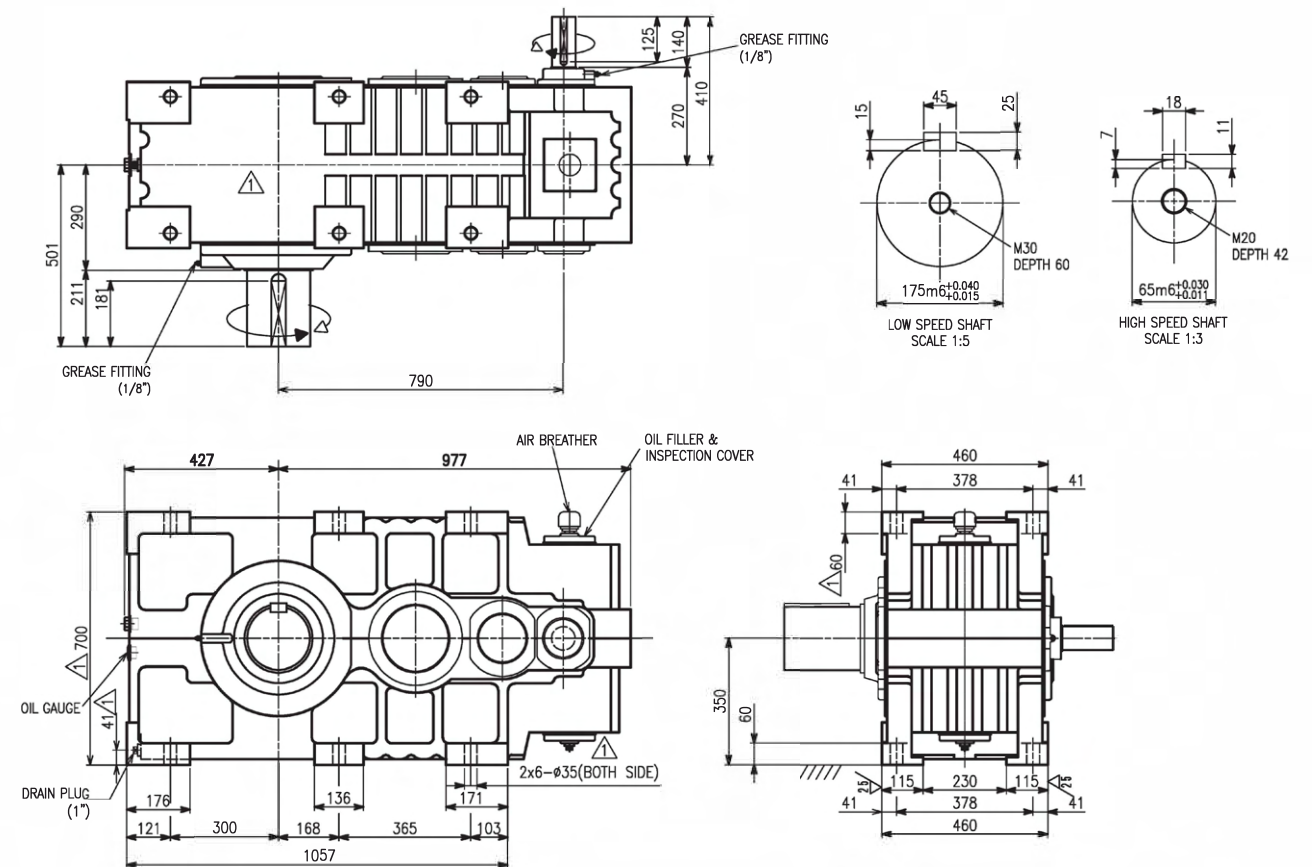
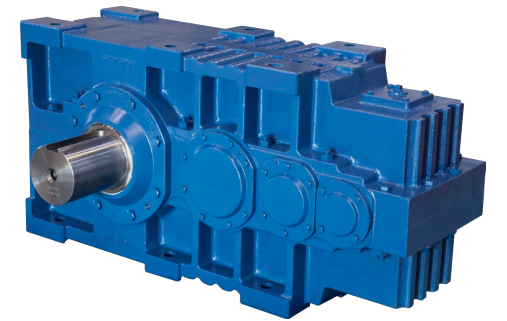
- 100% Operation uptime
- 0% issues reported
- Long operation life
- High shock load capacity

Suitable for: 75kW Kernel Crushing Plant, 90kW Empty Fruit Bunch, 110kW Empty Fruit Bunch

- Higher capacity
- Higher productivity
- Lower maintenance
- Longer lifetime
- Flippable housing design (interchangeable with our current series)



YHD090P3-RL-54.642/ YHD090P3-RL-54.642



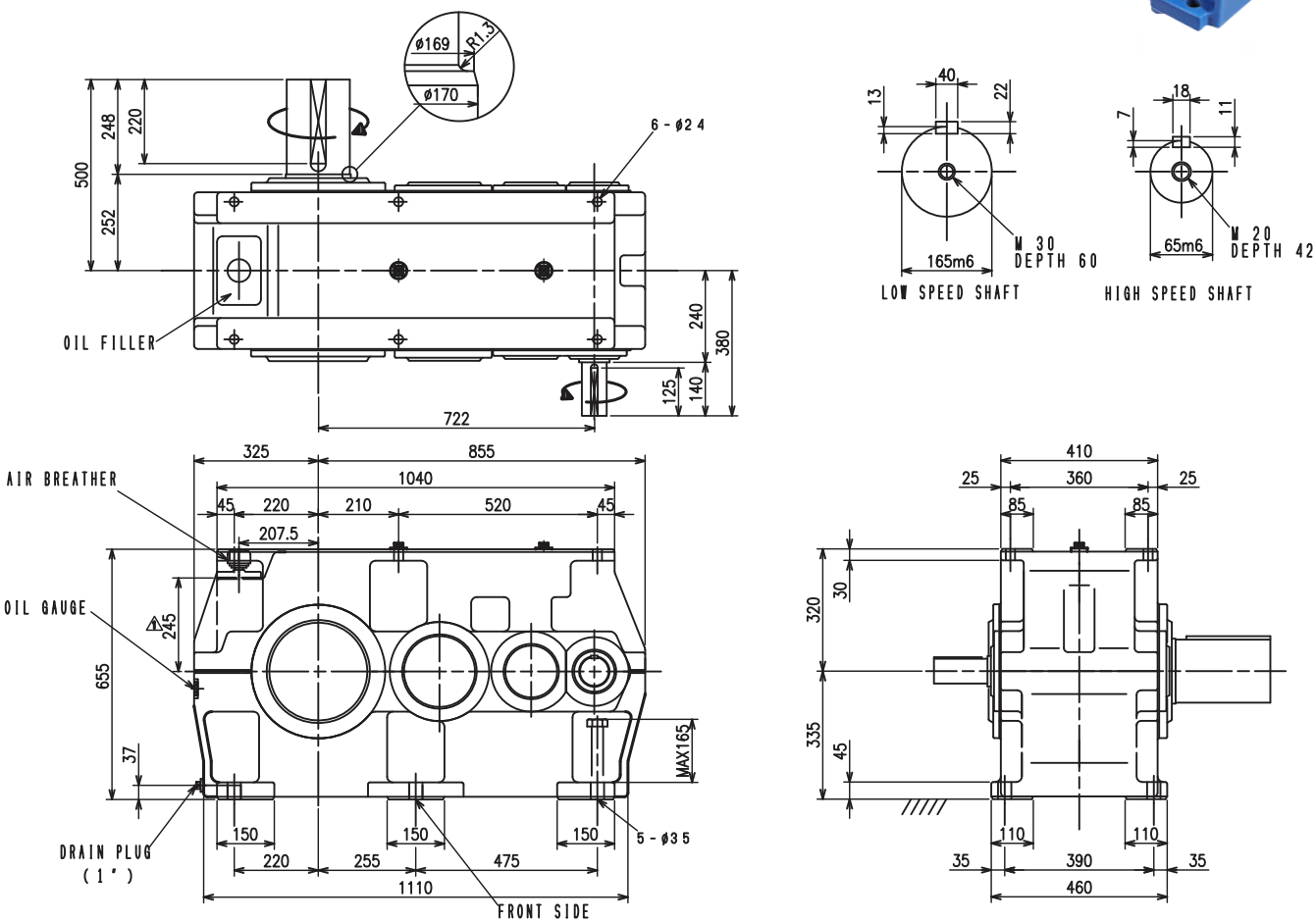
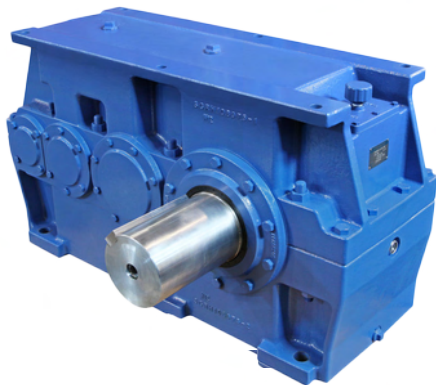
REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		<i>Nm</i>	<i>rpm</i>	<i>rpm</i>	<i>kW</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>	<i>/</i>
YHD090P3-RL-54.642	54.642	93,000	1,000	18.3	178	175	65	1,300	95
			900	16.4	159				
			765	14.0	136				

Lubrication System	Oil
Lubricant	ISO VG460 AGMA 7EP

Kernel Expeller Drive

YHD080P3-LR-55.066



KERNEL EXPELLER DRIVE REDUCER SPECIFICATIONS

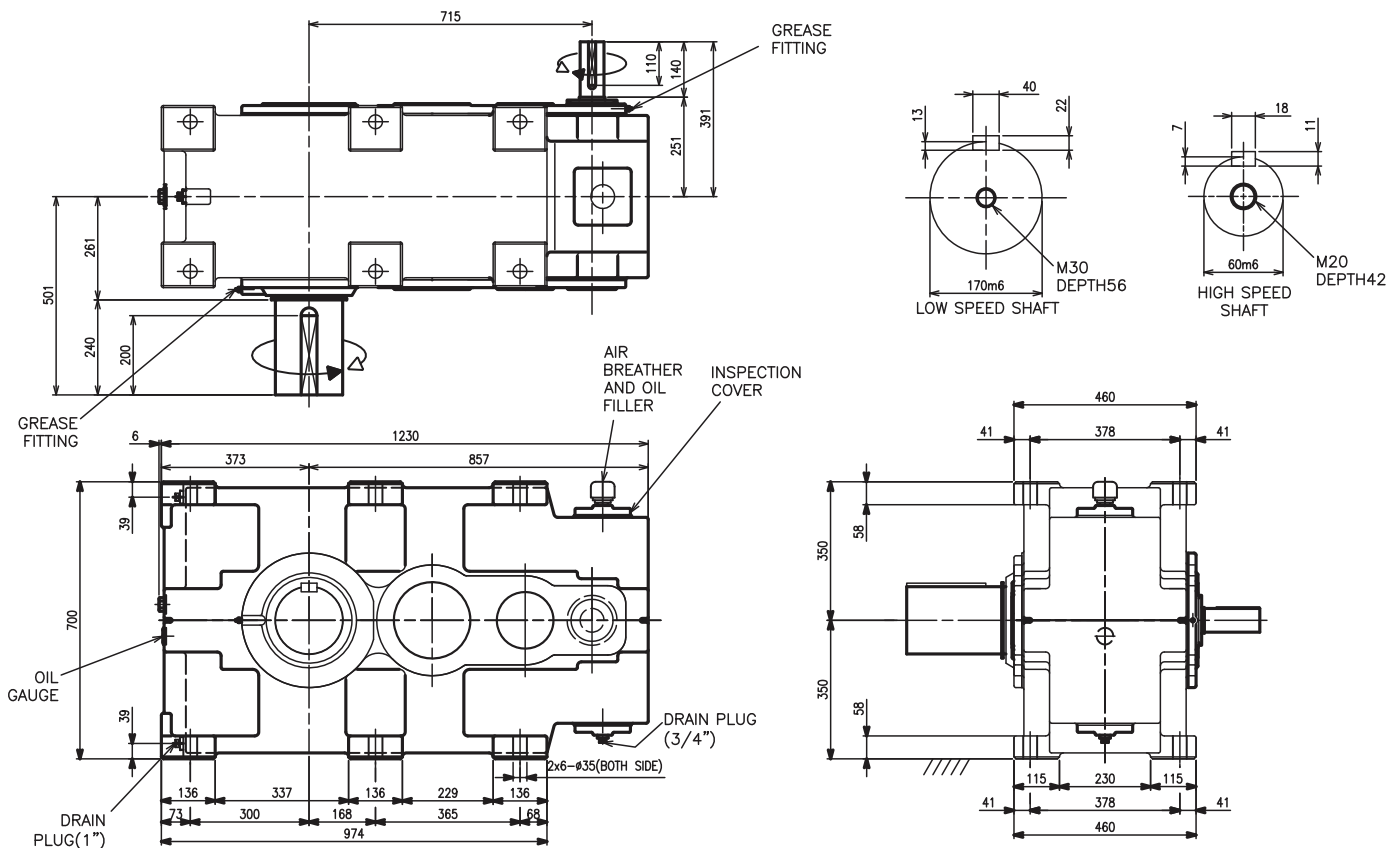
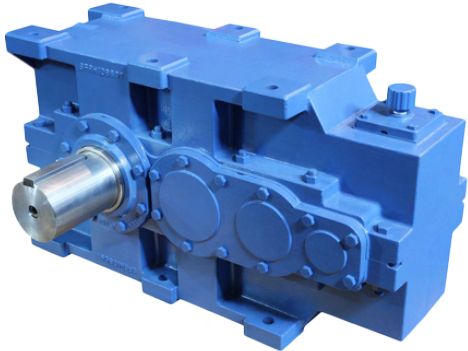
Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
YHD080P3-LR-55.066	55.066	74,000	1,000	18.2	140	165	65	1000	80
			900	16.3	126				
			750	13.6	105				

Lubrication System
Lubricant

Oil
ISO VG220/320/460 AGMA 5EP/6EP/7EP

Kernel Expeller Drive

YHD070P3-RL-55.438



KERNEL EXPELLER DRIVE REDUCER SPECIFICATIONS

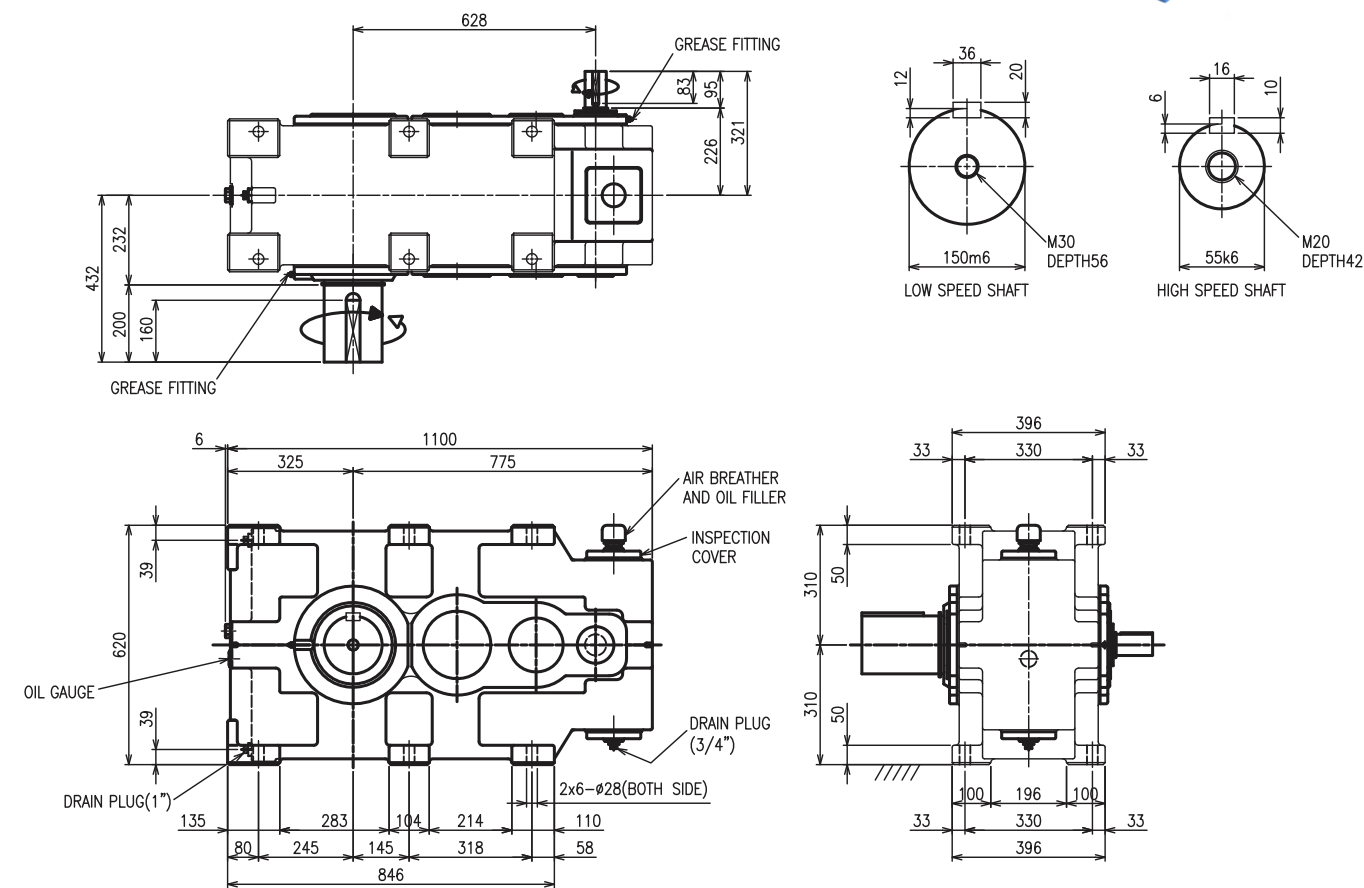
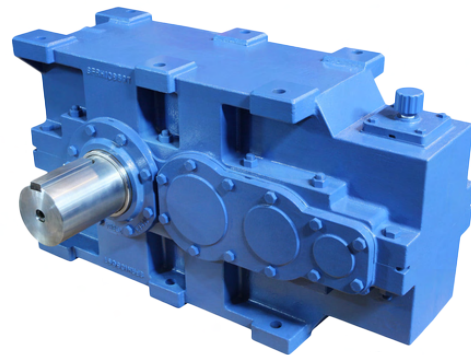
Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
YHD070P3-RL-55.438	55.438	74,000	1,000	18.2	140	170	60	1,080	85
			900	16.4	126				
			750	13.7	105				

Lubrication System
Lubricant

Oil
ISO VG460 AGMA 7EP

Screw Press Drive P15

YHD060P3SP-RL-55.391/78.456



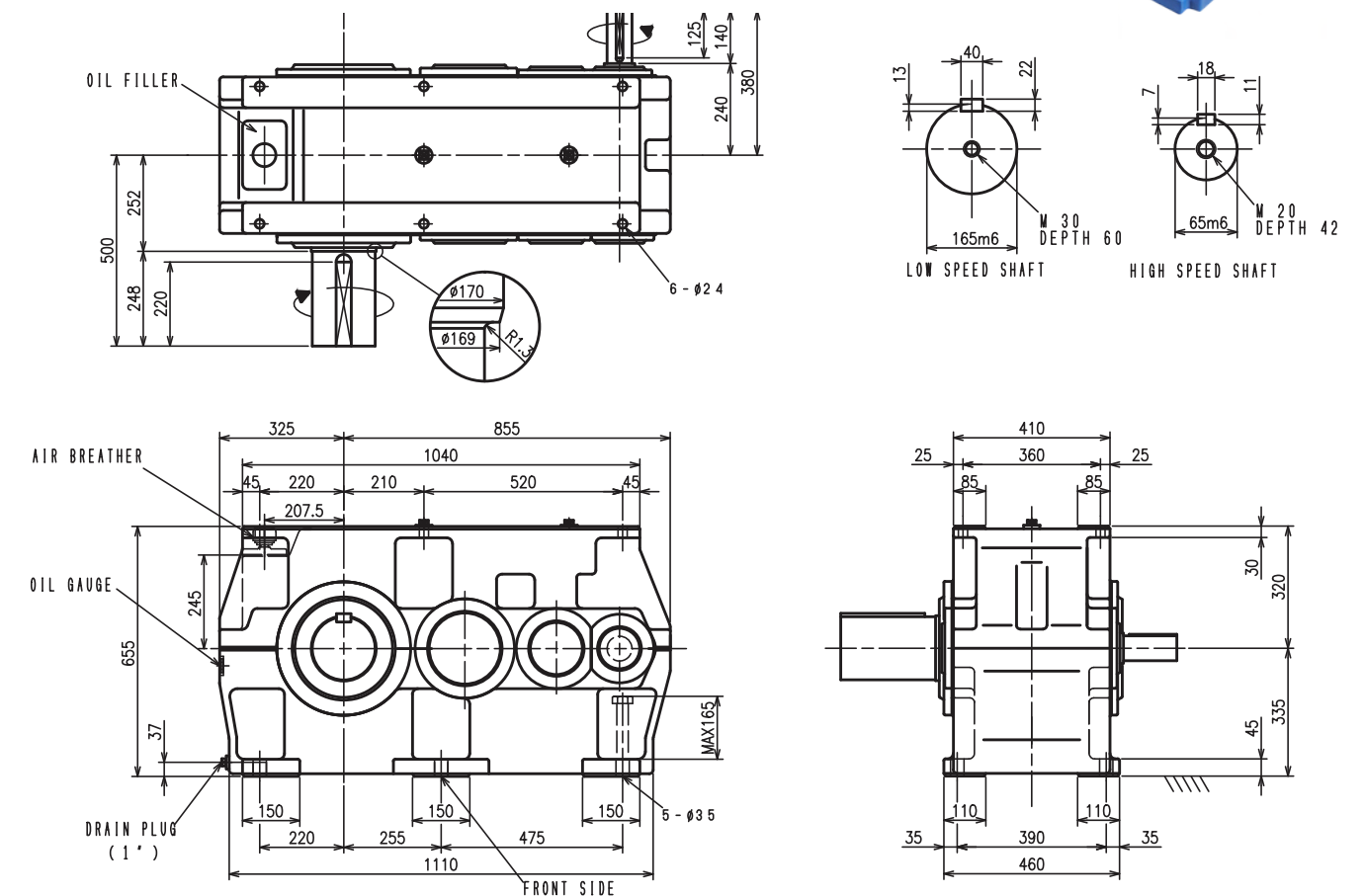
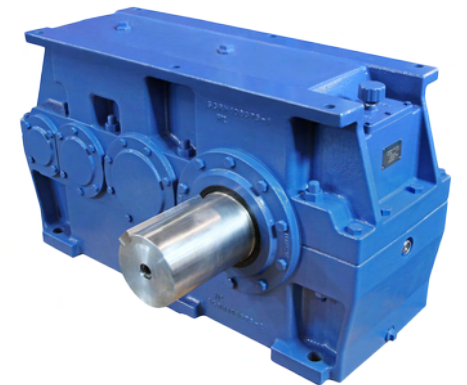
SCREW PRESS DRIVE P15 (15T/HR) REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		<i>Nm</i>	<i>rpm</i>	<i>rpm</i>	<i>kW</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>	<i>/</i>
YHD060P3SP-RL-55.391	55.391	48,000	1,000	18.1	90	150	55	730	60
			750	13.5	68				
YHD060P3SP-RL-78.456	78.456	45,000	1,000	12.7	60	150	55	730	60
			750	9.6	45				

Lubrication System	Oil
Lubricant	ISO VG460 AGMA 7EP

Screw Press Drive P20

YHD080P3SP-RL-76.353



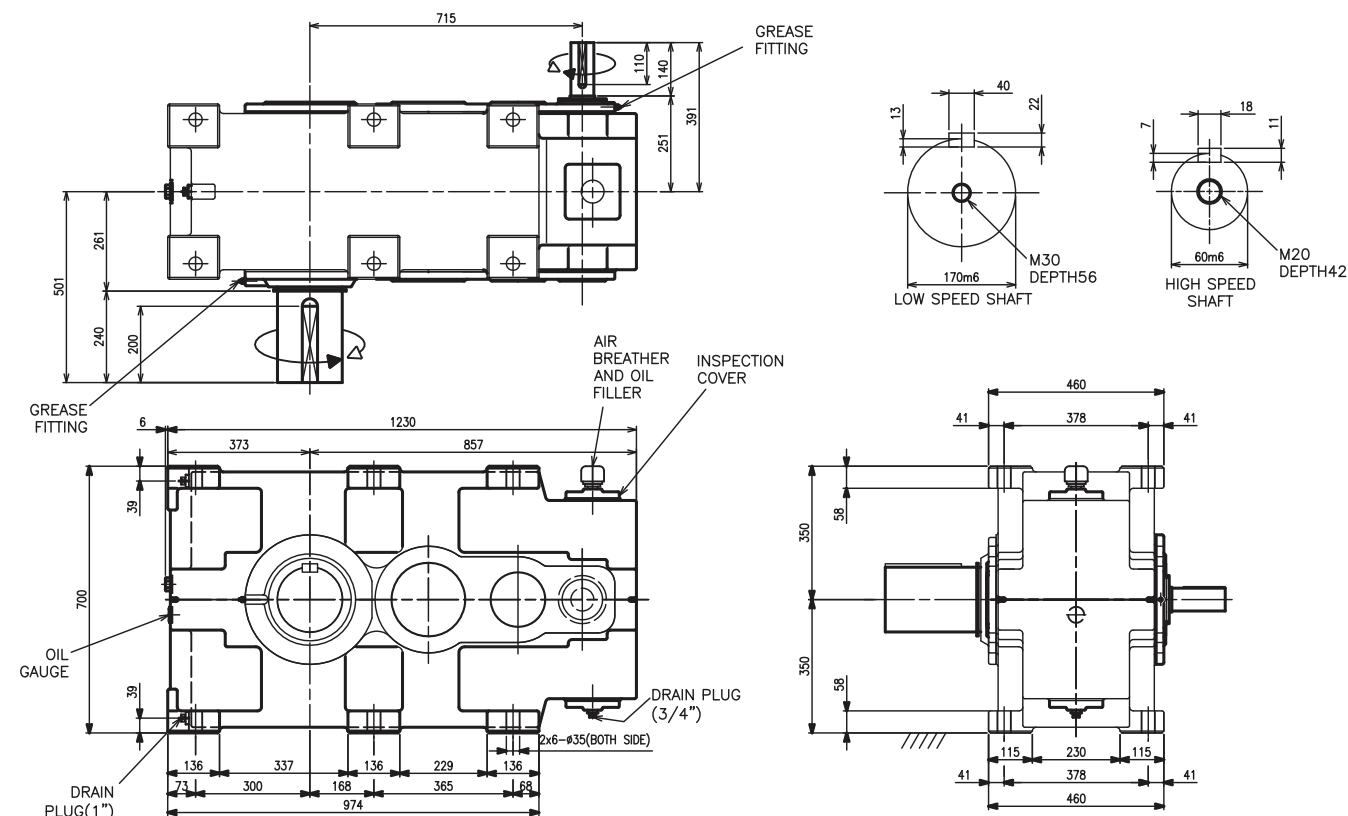
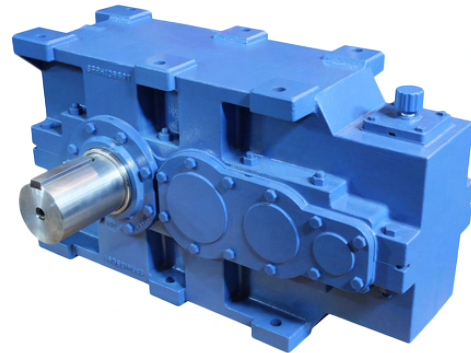
SCREW PRESS DRIVE P20 (20T/HR) REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating <i>Nm</i>	Input Speed <i>rpm</i>	Output Speed <i>rpm</i>	Power Rating <i>kW</i>	Output Shaft dia <i>mm</i>	Input Shaft dia <i>mm</i>	Weight (approx.) <i>kg</i>	Oil Qty (Approx) <i>/</i>
YHD080P3SP-RL-76.353	76.353	74,000	1,000	13.1	100	165	65	1,000	80
			750	9.8	75				

Lubrication System	Oil Bath
Lubricant	ISO VG220/320/460 AGMA 5EP/6EP/7EP

Screw Press Drive P20

YHD070P3SP-RL-77.373



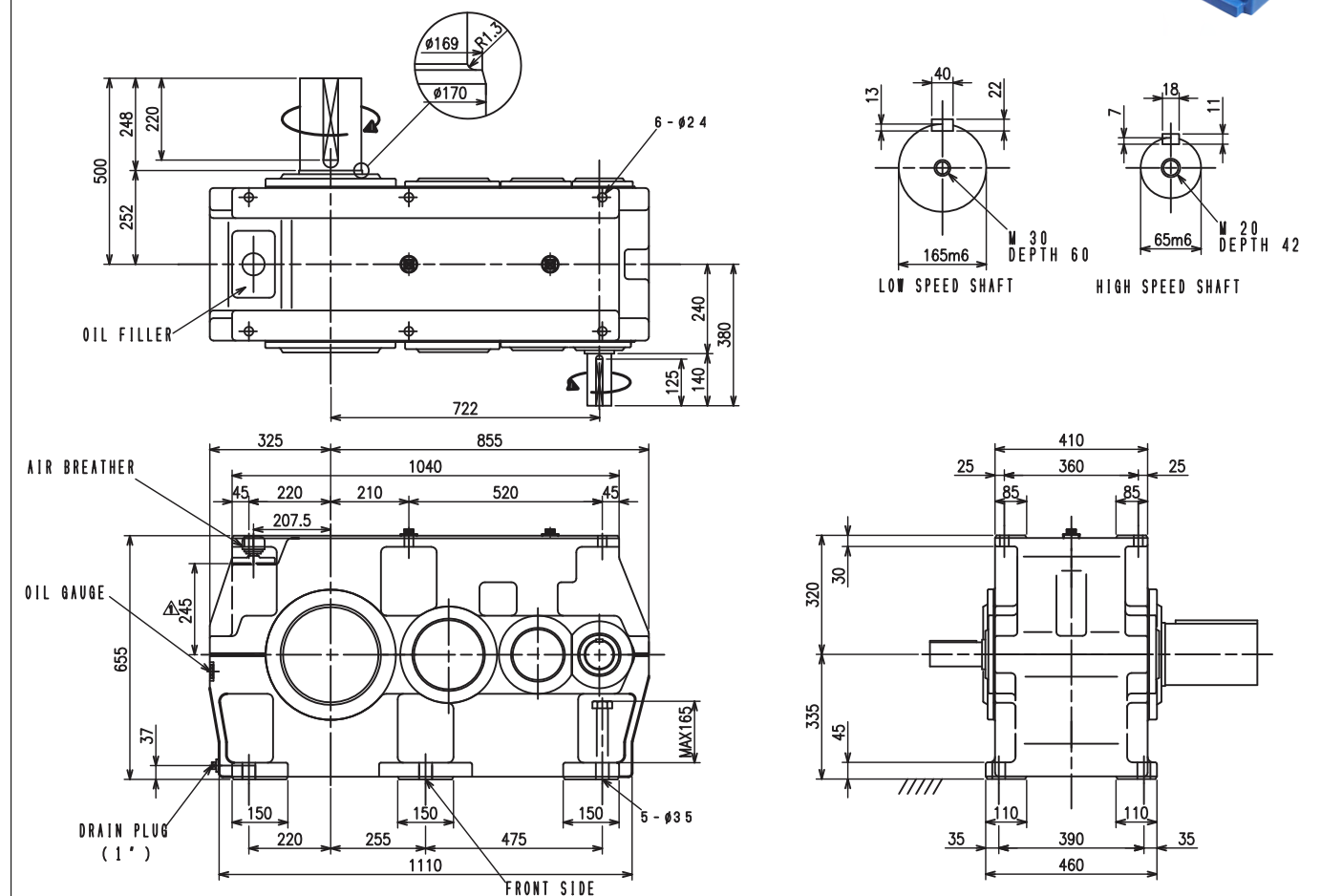
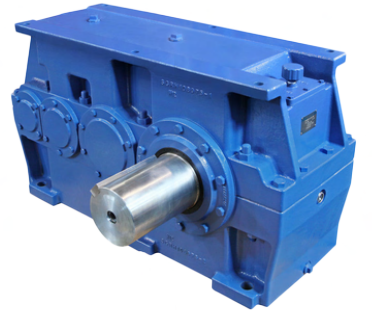
SCREW PRESS DRIVE P20 (20T/HR) REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		<i>Nm</i>	<i>rpm</i>	<i>rpm</i>	<i>kW</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>	<i>/</i>
YHD070P3SP-RL-77.373	77.373	70,000	1,000	12.9	95	170	60	1,080	85
			750	9.7	71				

Lubrication System	Oil
Lubricant	ISO VG460 AGMA 7EP

Empty Fruit Bunch Press Drive

YHD080P3SP-LR-55.066



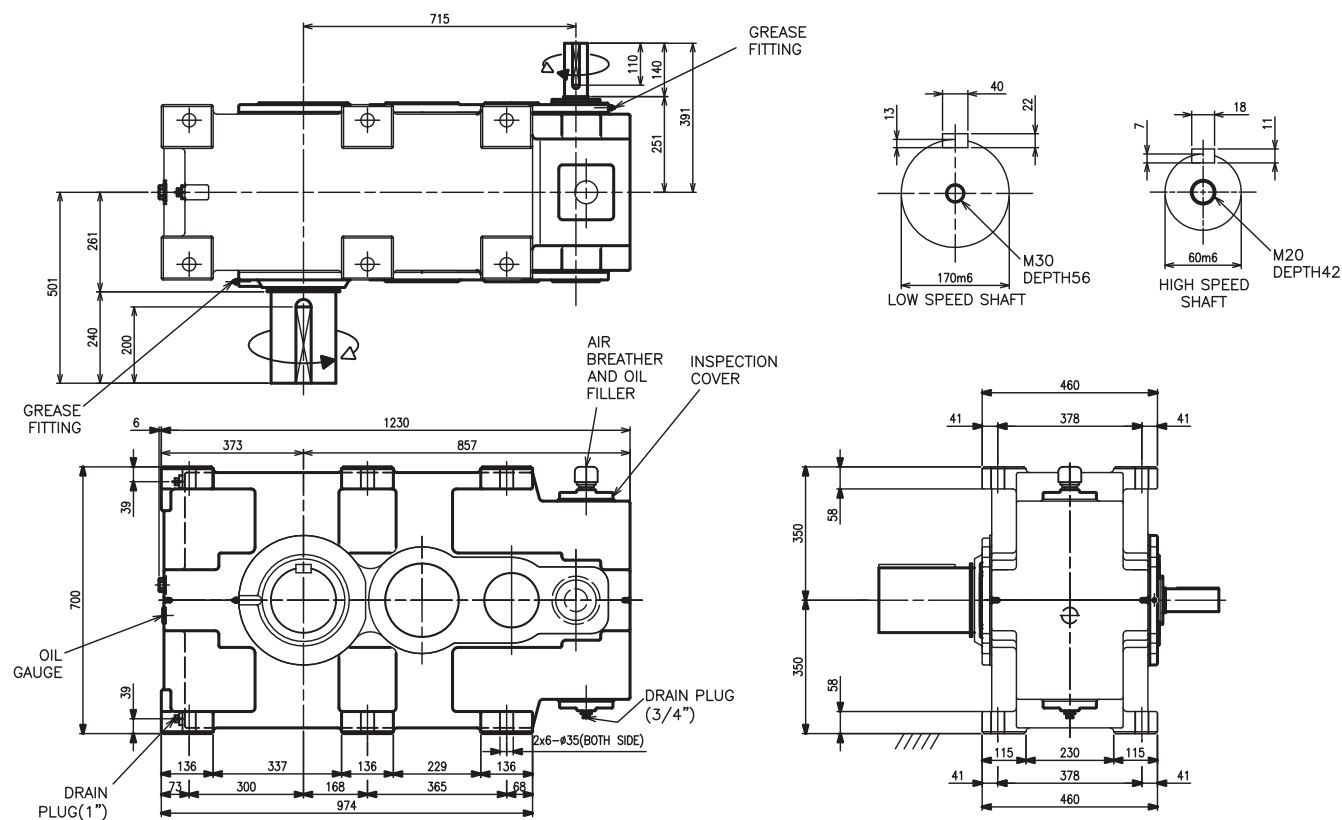
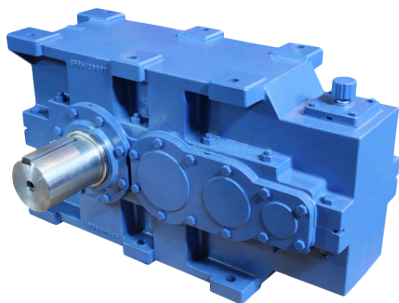
EMPTY FRUIT BUNCH PRESS REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		<i>Nm</i>	<i>rpm</i>	<i>rpm</i>	<i>kW</i>	<i>mm</i>	<i>mm</i>	<i>kg</i>	<i>/</i>
YHD080P3-LR-55.066	55.066	74,000	1,000	18.2	140	165	65	1,000	80
			750	13.6	105				

Lubrication System	Oil Bath
Lubricant	ISO VG220/320/460 AGMA 5EP/6EP/7EP

Empty Fruit Bunch Press Drive

YHD070P3-RL-55.438



EMPTY FRUIT BUNCH PRESS DRIVE REDUCER SPECIFICATIONS

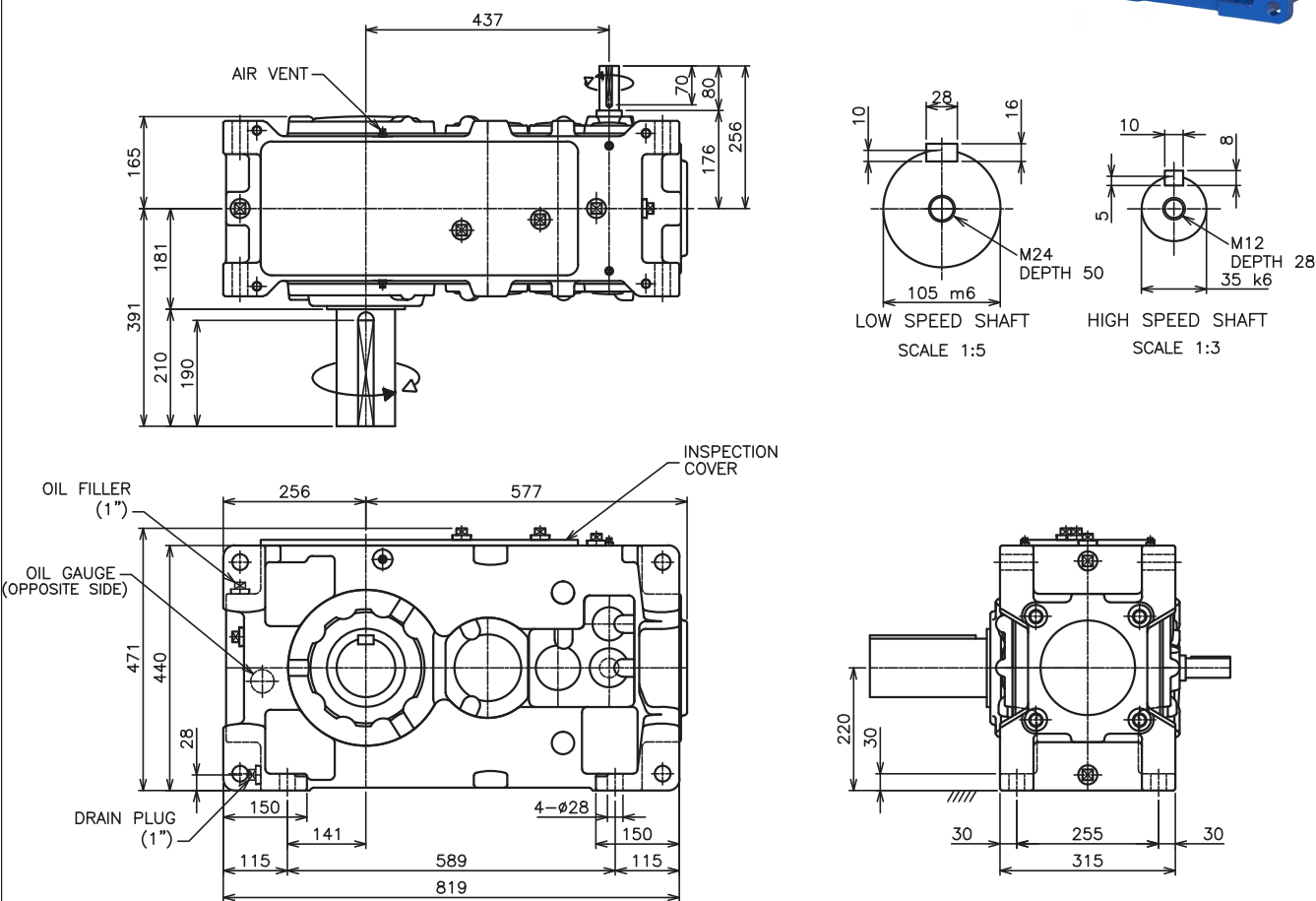
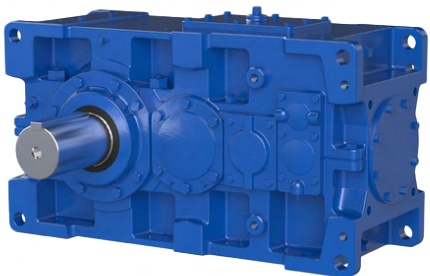
Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
YHD070P3-RL-55.438	55.438	74,000	1,000	18.2	140	170	60	1,080	85
			900	16.4	126				
			750	13.7	105				

Lubrication System
Lubricant

Oil
ISO VG460 AGMA 7EP

Thresher Drive

PHA9045P3-RL-56



THRESHER DRIVE REDUCER SPECIFICATIONS

Model	Ratio	Torque Rating	Input Speed	Output Speed	Power Rating	Output Shaft dia	Input Shaft dia	Weight (approx.)	Oil Qty (Approx)
		Nm	rpm	rpm	kW	mm	mm	kg	/
PHA9045P3-RL-56	56.250	13,200	1,500	27	36	105	35	375	21
			1,000	18	24.5				

Lubrication System
Lubricant

Oil Bath
ISO VG220/320/460

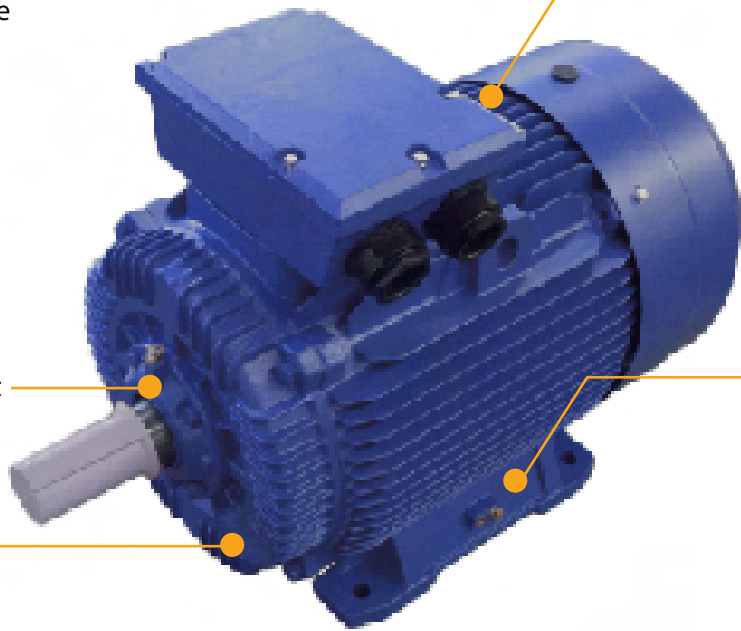


IE3 Premium Efficiency for
- High starting torque
- Energy saving



Strong cylindrical
Roller bearing for Belt
& Pulley installation

Drive end cooling
fins



Built-in Thermistor
protection. Extended
2 years warranty when
connected

Reinforced base

IE1 to IE4 Series Three-Phase Induction Cast Iron Motor
Designed to withstand harsh Palm Oil Applications

4 POLES - 1500 RPM 50Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC1A54	160L-4	15	1460	30.6	29.1	28.0	88.7	88.9	86.2	0.84	0.80	0.73	7.4	98.1	2.6	2.8	0.093	73	125
SC1A84	180M-4	18.5	1465	37.0	35.2	33.9	89.3	88.7	86.8	0.85	0.81	0.74	7.0	120.6	2.1	2.7	0.140	75	153
SC1B24	180L-4	22	1470	43.7	41.6	40.1	89.9	89.2	87.9	0.85	0.82	0.76	6.8	142.9	2.1	2.7	0.159	75	170
SC1C04	200L-4	30	1475	58.4	55.5	53.5	90.7	90.5	88.2	0.86	0.84	0.78	6.5	194.2	2.2	2.8	0.265	78	221
SC1C74	225S-4	37	1475	71.7	68.1	65.6	91.2	91.1	89.6	0.86	0.84	0.78	7.0	239.6	2.1	2.8	0.404	80	283
SC1D54	225M-4	45	1475	86.7	82.4	79.4	91.7	91.4	90.0	0.86	0.84	0.78	6.6	291.4	2.2	2.8	0.470	80	340
SC1E54	250M1-4	55	1480	105.5	100.2	96.6	92.1	92.0	91.0	0.86	0.84	0.79	6.3	354.9	2.2	2.7	0.670	82	375
SC1F74	250M2-4	75	1480	141.3	134.2	129.4	92.7	92.6	91.4	0.87	0.84	0.80	6.3	484.0	2.2	2.7	0.880	82	455
SC1F84	280S-4	75	1480	139.7	132.7	127.9	92.7	92.6	91.8	0.88	0.85	0.81	6.3	484.0	2.3	2.8	1.120	84	506
SC1F94	280M1-4	90	1485	167.1	158.7	153.0	93.0	92.7	91.8	0.88	0.85	0.81	7.1	578.8	2.6	2.8	1.460	84	590

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

6 POLES - 1000 RPM 50Hz IE1

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC1A56	180L-6	15	970	33.3	31.7	30.5	87.7	87.6	85.1	0.78	0.74	0.66	6.2	147.7	2.1	2.5	0.207	72	161
SC1A86	200L1-6	18.5	975	39.2	37.2	35.9	88.6	88.2	86.3	0.81	0.78	0.68	6.2	181.2	2.0	2.8	0.315	73	193
SC1B26	200L2-6	22	975	46.3	44.0	42.4	89.2	88.9	87.8	0.81	0.78	0.70	5.9	215.5	2.0	2.5	0.360	73	211
SC1C06	225M-6	30	980	61.6	58.5	56.4	90.2	90.5	88.5	0.82	0.80	0.71	6.4	292.3	2.0	2.5	0.545	73	296
SC1C76	250M-6	37	980	73.7	70.0	67.5	90.8	91.0	89.7	0.84	0.81	0.72	6.7	360.6	2.3	2.6	0.834	76	347
SC1D56	280S-6	45	980	88.0	83.6	80.6	91.4	91.3	90.5	0.85	0.82	0.75	6.7	438.5	2.1	3.0	1.390	76	444
SC1E56	280M1-6	55	980	107.0	101.6	98.0	91.9	92.0	90.8	0.85	0.83	0.78	6.3	536.0	2.1	2.5	1.650	76	492
SC1F76	280M2-6	75	980	144.8	137.5	132.6	92.6	92.5	91.2	0.85	0.83	0.79	6.8	730.9	2.8	2.9	3.210	79	610
SC1F86	315S-6	75	985	144.8	137.5	132.6	92.6	92.3	91.5	0.85	0.83	0.80	7.0	727.2	2.0	2.7	4.100	80	795
SC1F96	315M-6	90	985	173.2	164.5	158.6	92.9	92.6	91.5	0.85	0.84	0.80	6.2	872.6	2.0	2.4	4.300	80	884

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

4 POLES - 1500 RPM 50Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC3A54	160L-4	15	1465	28.8	27.3	26.3	92.1	92.3	89.3	0.86	0.79	0.72	7.5	97.8	2.0	2.3	0.5780	73	162
SC3A84	180M-4	18.5	1470	35.3	33.5	32.3	92.6	92.5	90.5	0.86	0.80	0.73	7.7	120.2	2.1	2.3	0.2088	75	196
SC3B24	180L-4	22	1475	41.8	39.7	38.3	93.0	92.7	91.0	0.86	0.81	0.74	7.8	142.4	2.2	2.3	0.2584	75	224
SC3C04	200L-4	30	1475	56.6	53.8	51.9	93.6	93.5	91.5	0.86	0.82	0.74	7.2	194.2	2.1	2.3	0.3685	76	260
SC3C74	225S-4	37	1480	69.6	66.1	63.7	93.9	93.6	91.8	0.86	0.83	0.75	7.3	238.8	2.2	2.4	0.6669	78	345
SC3D54	225M-4	45	1480	84.4	80.2	77.3	94.2	94.0	92.0	0.86	0.83	0.75	7.4	290.4	2.2	2.4	0.7896	78	403
SC3E54	250M-4	55	1480	102.7	97.6	94.1	94.6	94.7	92.8	0.86	0.83	0.76	7.4	354.9	2.2	2.4	1.005	79	468
SC3F84	280S-4	75	1485	136.3	129.5	124.8	95.0	94.8	93.0	0.88	0.84	0.76	6.7	482.3	2.0	2.3	1.898	80	685
SC3F94	280M-4	90	1485	163.2	155.1	149.5	95.2	95.0	93.4	0.88	0.84	0.77	6.9	578.8	2.1	2.3	2.565	80	739

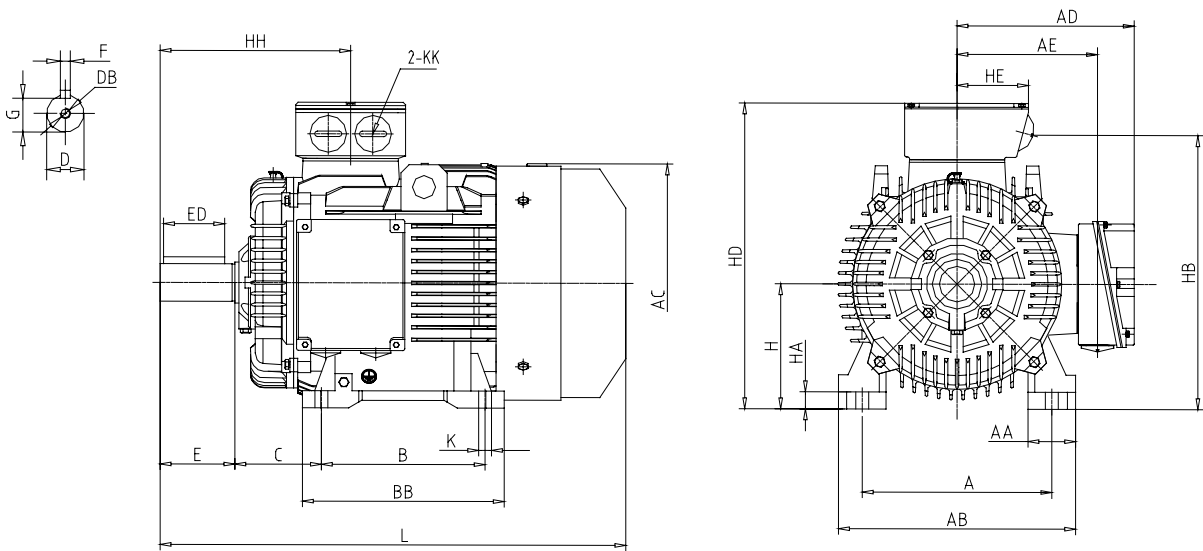
● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

6 POLES - 1000 RPM 50Hz IE3

Type	Frame	Output (kW)	Speed (r/min)	Rated Current (A)			Efficiency %FL			Power Factor %FL			Ist/ In	Tn (N.m)	Tst/ Tn	Tmax/ Tn	J (kg.m2)	Noise dB(A)	Weight (kg)
				380V	400V	415V	100	75	50	100	75	50							
SC3A56	180L-6	15	975	30.9	29.3	28.2	91.2	91.1	88.5	0.81	0.74	0.66	7.1	146.9	2.0	2.2	0.3561	72	230
SC3A86	200L1-6	18.5	980	37.8	36.0	34.7	91.7	91.7	89.6	0.81	0.74	0.68	7.2	180.3	2.1	2.3	0.5020	73	246
SC3B26	200L2-6	22	980	44.8	42.5	41.0	92.2	92.3	90.7	0.81	0.75	0.69	7.2	214.4	2.1	2.3	0.5740	73	278
SC3C06	225M-6	30	985	59.1	56.2	54.1	92.9	92.8	91.3	0.83	0.75	0.70	7.1	290.9	2.0	2.2	0.7256	74	344
SC3C76	250M-6	37	985	71.7	68.1	65.7	93.3	93.2	91.8	0.84	0.76	0.71	7.1	358.7	2.1	2.3	1.135	75	428
SC3D56	280S-6	45	985	85.8	81.6	78.6	93.7	93.6	92.1	0.85	0.79	0.72	7.1	436.3	2.1	2.2	2.204	78	550
SC3E56	280M-6	55	985	103.3	98.1	94.6	94.1	94.2	92.6	0.86	0.79	0.73	7.1	533.2	2.1	2.2	2.689	78	630
SC3F86	315S-6	75	990	143.4	136.2	131.3	94.6	94.5	93.2	0.84	0.80	0.74	6.7	723.5	2.0	2.3	4.145	82	895
SC3F96	315M-6	90	990	169.5	161.0	155.2	94.9	95.0	93.7	0.85	0.80	0.75	6.7	868.2	2.0	2.3	4.985	82	1002

● Ist = Locked Rotor Current ● Tst = Locked Rotor Torque ● In = Rated Current ● Tmax = Maximum Torque ● FL = Full Load ● Tn = Rated Torque

160~280



FRAME	A	AA	AB	AC	AD	AE	B	BB	C	D	DB	E	ED	F	G	H	HA	HB	HD	HE	HH	K	KK	L
160M	254	65	314	320	270	205	210	268	108	42	M16X36	110	90	12	37	160	20	365	415	95	260	14.5	M40Z1.5	625
160L							254	312																670
180M	279	70	349	355	285	220	241	296	121	48	M16X36	110	90	14	42.5	180	22	400	455	95	274	14.5	M40X1.5	700
180L							279	335																400
200L	318	72	380	405	325	255	305	366	133	55	M20X42	110	90	16	49	200	23	445	510	166	296	18.5	M50X1.5	780
225S - 4,6,8	356	85	430	460	340	270	286	356	149	55	M20X42	110	90	16	49	225	24	507	560	166	299	18.5	M50X1.5	820
225M - 2							311	381																820
225M - 4,6,8							311	381																850
250M - 2	406	110	480	500	365	290	349	440	168	60	M20X42	140	110	18	53	250	35	560	620	185	355	24	M63X1.5	945
250M - 4,6,8							349	440							58									945
280S - 2	457	130	542	560	391	320	368	458	190	65	M20X24	140	110	18	58	280	33	600	675	185	360	24	M63X1.5	1020
280S - 4,6,8							368	458							67.5									1020
280M - 2							419	509							58									1070
280M - 4,6,8							419	509							67.5									1070