IKUSE YOXn Belt-Pulley Torque-Limiting Fluid Coupling

Overview

A belt-pulley connection combines hydrodynamic transmission with belt drive for equipment requiring pulley output. Confirm groove profile, pulley pitch diameter and bore.

Construction

Correct selection of size and fluid fill reduces starting shocks and torsional vibration and provides torque limitation under overload.

Applications

For conveyors, lifting and general industrial equipment. Consider load inertia, starting frequency, braking and connection type.

Technical specifications

Construction, mounting dimensions and technical data are provided separately for each configuration. Read power and input speed from the same row for the selected size. Do not mix models or operating conditions. Check bores, shaft lengths and additional connecting elements before installation.

Ordering information

Specify motor power, input speed, driven-machine type, load and starting requirements, both shaft-end dimensions, available space and braking or speed-control requirements. Agree lubrication, cooling, brake-wheel and elastic-coupling requirements before ordering.

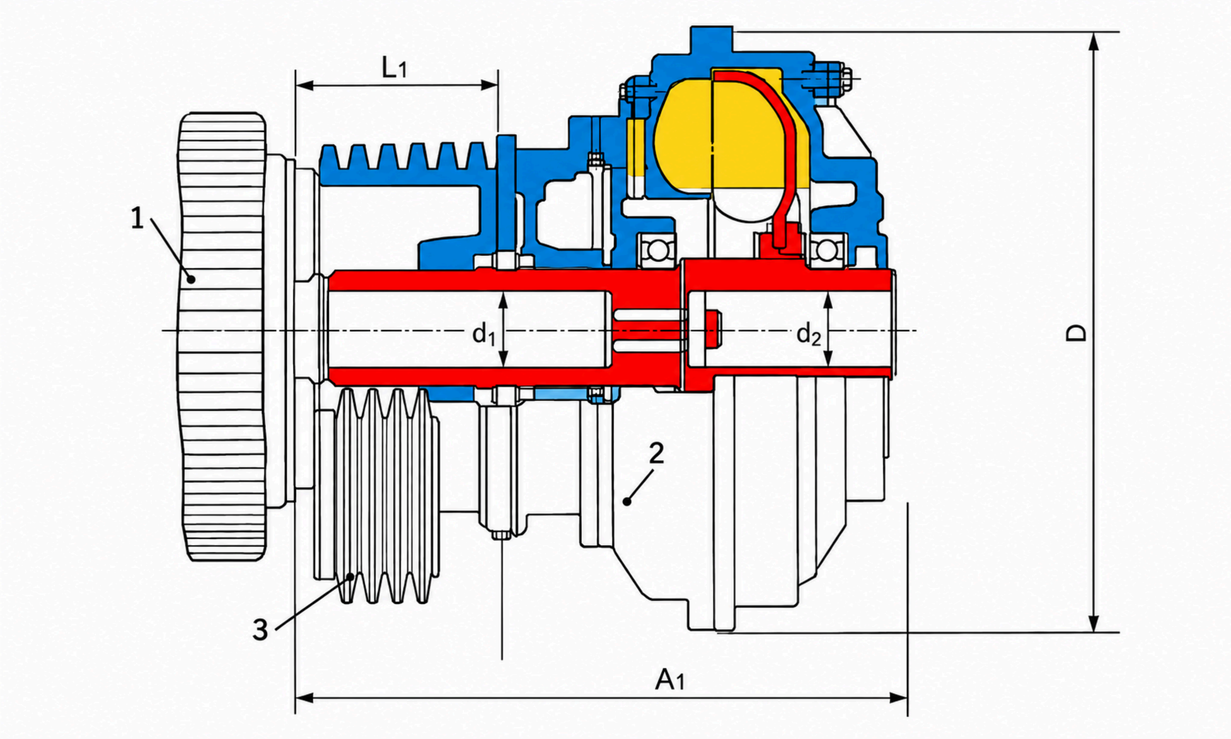
YOXn Torque-limiting fluid coupling

Drive arrangement 2

Single working chamber, outer-wheel drive · Belt drive

Component legend

1. Electric motor
2. Fluid coupling
3. Belt pulley



YOX / YOXII / YOXn Technical specifications and main dimensions

Model (GB)	Input speedn (r/min)	Transmitted power rangeN (kW)	Overload factorTg		Efficiencyη	Overall dimensions (mm)					Maximum input bore diameter and length (mm) d1max	Maximum output bore diameter and length (mm) d2max	Oil fill volume q (L)		Mass (kg)
			Starting	Braking		D	A	A1	C	F	L1max	L2max	qmin 40%	qmax 80%	
YOX180	1000	0.1-0.3	2-2.7	2-2.7	0.97	ϕ232	205	125	40	—	ϕ30	ϕ25	0.24	0.48	7
	1500	0.5-1.1									50	50			
YOX200	1000	0.2-0.55	2-2.7	2-2.7	0.97	ϕ254	193	128	25	—	ϕ35	ϕ30	0.6	1.2	8.8
	1500	0.8-2.2									60	60			
YOX220	1000	0.4-1.1	2-2.7	2-2.7	0.97	ϕ278	226	136	50	—	ϕ40	ϕ35	0.76	1.52	13
	1500	1.5-3									80	80			
YOX250	1000	0.8-1.5	2-2.7	2-2.7	0.97	ϕ305	241	156	35	—	ϕ45	ϕ40	1.1	2.1	16
	1500	2.5-5.5									80	80			
YOX280	1000	1.5-3	2-2.7	2-2.7	0.97	ϕ345	254	164	35	—	ϕ50	ϕ45	1.4	2.8	21
	1500	4.5-8									80	110			
YOX320	1000	2.5-5.5	2-2.7	2-2.7	0.97	ϕ380	279	179	35	—	ϕ55	ϕ45	2.2	4.4	28
	1500	9-18.5									110	110			
YOX340	1000	3-9	2-2.7	2-2.7	0.97	ϕ390	296	187	35	2	ϕ55	ϕ50	2.7	5.3	36.5
	1500	12-22									110	110			
YOX360	1000	5-10	1.5-1.8	2-2.5	0.96	ϕ428	308	229	10	3	ϕ60	ϕ55	3.4	6.7	42
	1500	16-30									110	110			
YOX400	1000	8-18.5	1.5-1.8	2-2.5	0.96	ϕ472	338/353	256	5/20	4	ϕ70	ϕ60	5.2	10.4	65
	1500	28-48									110/140	140			
YOX450	1000	15-30	1.5-1.8	2-2.5	0.96	ϕ530	385	292	10	6	ϕ75	ϕ70	7.5	15	79.5
	1500	50-90									140	140			
YOX500	1000	25-50	1.5-1.8	2-2.5	0.96	ϕ582	435	316	30	5	ϕ90	ϕ90	10.3	20.5	105.5
	1500	68-144									170	170			
YOX560	1000	40-80	1.5-1.8	2-2.5	0.96	ϕ634	449/490	350	5/45	7	ϕ100	ϕ100	13.2	26.4	152
	1500	120-270									170/210	210			
YOX600	1000	60-115	1.5-1.8	2-2.5	0.96	ϕ695	490/510	380	5/25	7	ϕ100	ϕ115	16.8	33.6	185
	1500	200-360									170/210	210			
YOX650	1000	90-176	1.5-1.8	2-2.5	0.96	ϕ760	558	425	25	6	ϕ120	ϕ100	24	48	230
	1500	260-480									210	210			
YOX750	1000	170-330	1.5-1.8	2-2.5	0.96	ϕ860	578	450	0	2	ϕ120	ϕ140	34	68	350
	1500	380-760									210	210			
YOX875	750	145-280	1.5-1.8	2-2.5	0.96	ϕ992	705	514	55	7	ϕ150	ϕ150	56	112	495
	1000	330-620									250	250			
	1500	760-1100													
YOX1000	600	160-300	1.5-1.8	2-2.5	0.96	ϕ1138	735	577	0	3	ϕ160	ϕ160	74	148	650
	750	260-590									250	280			
YOX1150	600	265-615	1.5-1.8	2-2.5	0.96	ϕ1312	848	669	10	3	ϕ170	ϕ170	85	170	810
	750	525-1195									300	300			
YOX1250	500	235-540	1.5-1.8	2-2.5	0.96	ϕ1420	942	767	10	4	ϕ200	ϕ200	110	210	960
	600	400-935									300	300			
	750	800-1800													
YOX1320	500	315-710	1.5-1.8	2-2.5	0.96	ϕ1500	1052	855	95	—	ϕ210	ϕ210	128	230	1080
	600	650-1200									320	320			
	750	1050-2360													

IKUSE YOP Single-Chamber Torque-Limiting Fluid Coupling

Overview

A single working chamber with outer-wheel drive for industrial transmissions requiring improved starting, shock isolation and reduced torsional vibration.

Construction

Correct selection of size and fluid fill reduces starting shocks and torsional vibration and provides torque limitation under overload.

Applications

For conveyors, lifting and general industrial equipment. Consider load inertia, starting frequency, braking and connection type.

Technical specifications

Construction, mounting dimensions and technical data are provided separately for each configuration. Read power and input speed from the same row for the selected size. Do not mix models or operating conditions. Check bores, shaft lengths and additional connecting elements before installation.

Ordering information

Specify motor power, input speed, driven-machine type, load and starting requirements, both shaft-end dimensions, available space and braking or speed-control requirements. Agree lubrication, cooling, brake-wheel and elastic-coupling requirements before ordering.

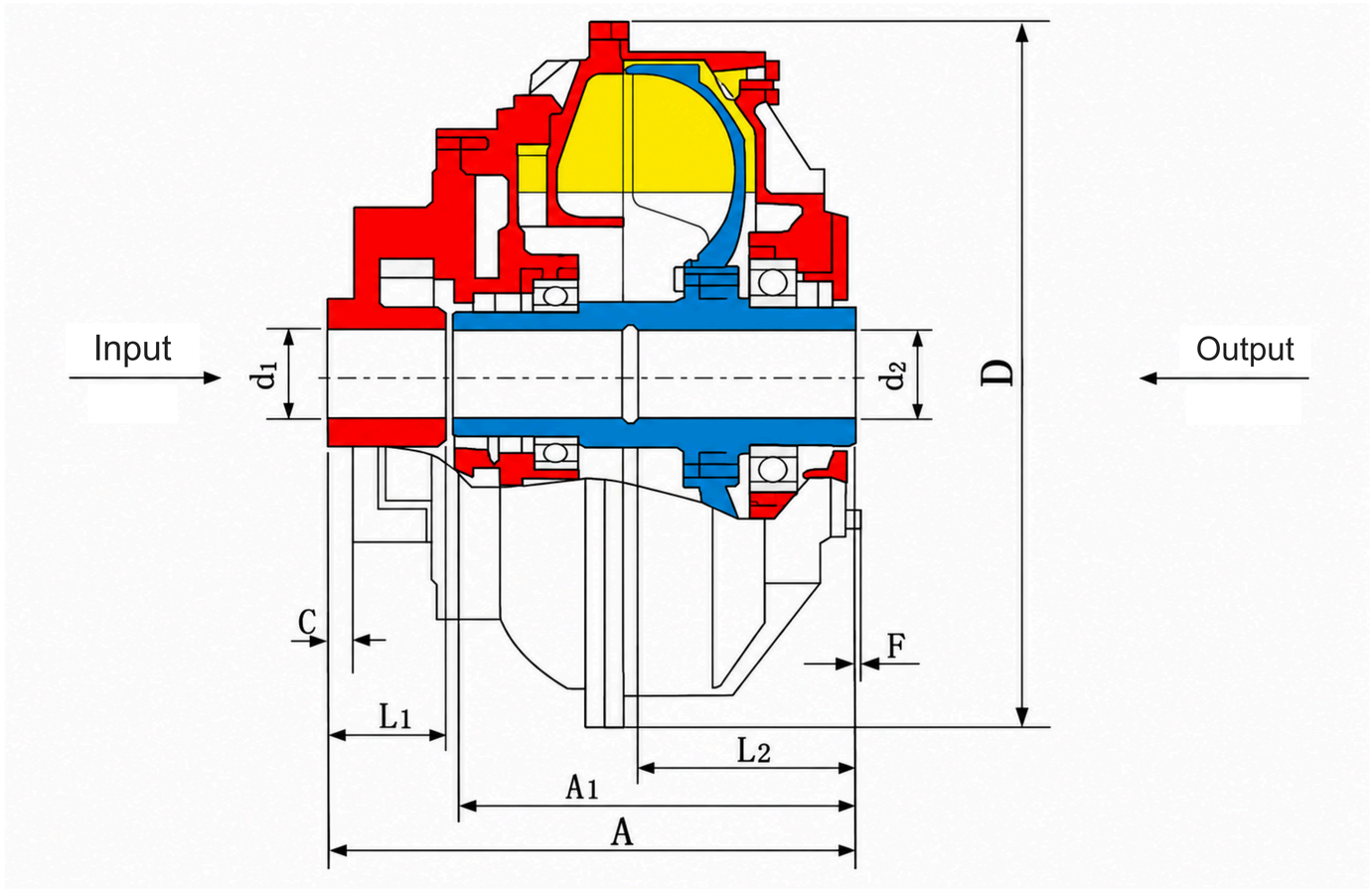
YOP Single working chamberTorque-limiting fluid coupling

Drive arrangement 3

YOP Single working chamber, outer-wheel drive

Notes

1. A standard fluid coupling with high starting torque, for machines requiring easier starting and isolation of shocks and torsional vibration.
2. Starting time is 10–17 seconds.



YOP Main technical specifications and dimensions

YOP Technical Specifications and Dimensions

Model	Input speed	Transmitted power range	Overload factor Tg		Efficiency	Overall dimensions					Maximum input Bore diameter / length	Maximum output Bore diameter / length	Oil fill volume q (L)		Mass
			Starting	Braking		D	A	A_1	C	F			40%	80%	
YOP200	1000	0.2–0.55	2–2.7	2–2.7	0.97	φ254	193	128	25	—	φ35 / 60	φ30 / 60	0.6	1.2	8.8
	1500	0.8–2.2													
YOP220	1000	0.4–1.1	2–2.7	2–2.7	0.97	φ275	226	136	50	—	φ40 / 80	φ35 / 80	0.76	1.52	13
	1500	1.5–3													
YOP250	1000	0.8–1.5	2–2.7	2–2.7	0.97	φ305	241	156	35	—	φ45 / 80	φ40 / 80	1.1	2.1	16
	1500	2.5–5.5													
YOP280	1000	1.5–3	2–2.7	2–2.7	0.97	φ345	254	164	35	—	φ50 / 80	φ45 / 110	1.4	2.8	21
	1500	4.5–8													
YOP320	1000	2.5–5.5	2–2.7	2–2.7	0.97	φ380	279	179	35	—	φ55 / 110	φ45 / 110	2.2	4.4	28
	1500	9–18.5													
YOP340	1000	3–6	2–2.7	2–2.7	0.97	φ390	296	187	35	2	φ55 / 110	φ50 / 110	2.7	5.3	36.5
	1500	12–22													
YOP360	1000	5–10	2–2.7	2–2.5	0.96	φ428	309	229	50	3	φ60 / 110	φ55 / 110	2.9	5.8	42
	1500	16–30													
YOP400	1000	8–18.5	2–2.7	2–2.5	0.96	φ472	319 / 349	256	35 / 65	4	φ70 / 110 / 140	φ60 / 140	4.4	8.8	65
	1500	28–48													
YOP450	1000	15–30	2–2.7	2–2.5	0.96	φ530	383	292	70	6	φ75 / 140	φ70 / 140	6.7	13.4	79.5
	1500	50–90													
YOP500	1000	25–50	2–2.7	2–2.5	0.96	φ582	408 / 433	316	70 / 95	5	φ90 / 170	φ90 / 170	8.5	17	105.5
	1500	68–144													
YOP560	1000	40–80	2–2.7	2–2.5	0.96	φ634	446 / 491	350	80 / 125	7	φ100 / 170 / 210	φ100 / 210	11.6	23.2	152
	1500	120–270													
YOP600	1000	60–115	2–2.7	2–2.5	0.96	φ695	490 / 510	380	85 / 105	7	φ100 / 170 / 210	φ115 / 210	14	28	185
	1500	200–360													
YOP650	1000	90–176	2–2.7	2–2.5	0.96	φ760	577	425	110	6	φ120 / 210	φ130 / 210	20	40	230
	1500	260–480													
YOP750	1000	170–330	2–2.7	2–2.5	0.96	φ860	578	358	90	2	φ120 / 210	φ140 / 210	28	56.4	212
	1500	380–760													
YOP875	750	145–280	2–2.7	2–2.5	0.96	φ992	703	422	145	7	φ150 / 250	φ150 / 250	47.6	95	450
	1000	330–620													
	1500	760–1100													
YOP1000	600	160–300	2–2.7	2–2.5	0.96	φ1138	733	460	115	3	φ160 / 250	φ160 / 280	74	148	630
	750	260–590													
YOP1150	600	265–615	2–2.7	2–2.5	0.96	φ1213	848	539	150	3	φ170 / 300	φ170 / 300	85	170	810
	750	525–1195													
YOP1250	500	235–540	2–2.7	2–2.5	0.96	φ1420	942	593	180	4	φ200 / 300	φ200 / 300	110	210	960
	600	400–935													
	750	800–1800													
YOP1320	500	315–710	2–2.7	2–2.5	0.96	φ1500	1050	590	590	—	φ210 / 320	φ210 / 320	128	230	1300
	600	650–1200													
	750	1050–2360													

IKUSE YOX / YOXF / YOXFz / YOXAMP / YOXNL / YOXIIA Constant-Fill Torque-Limiting Fluid Coupling

Overview

The YOX series transmits power through a constant fill of working fluid, reducing starting shocks and vibration while providing torque limitation. Used in conveyors, crushers, ball mills and lifting equipment. Select size by power, speed and mounting dimensions.

Construction

Correct selection of size and fluid fill reduces starting shocks and torsional vibration and provides torque limitation under overload.

Applications

For conveyors, lifting and general industrial equipment. Consider load inertia, starting frequency, braking and connection type.

Technical specifications

Construction, mounting dimensions and technical data are provided separately for each configuration. Read power and input speed from the same row for the selected size. Do not mix models or operating conditions. Check bores, shaft lengths and additional connecting elements before installation.

Ordering information

Specify motor power, input speed, driven-machine type, load and starting requirements, both shaft-end dimensions, available space and braking or speed-control requirements. Agree lubrication, cooling, brake-wheel and elastic-coupling requirements before ordering.

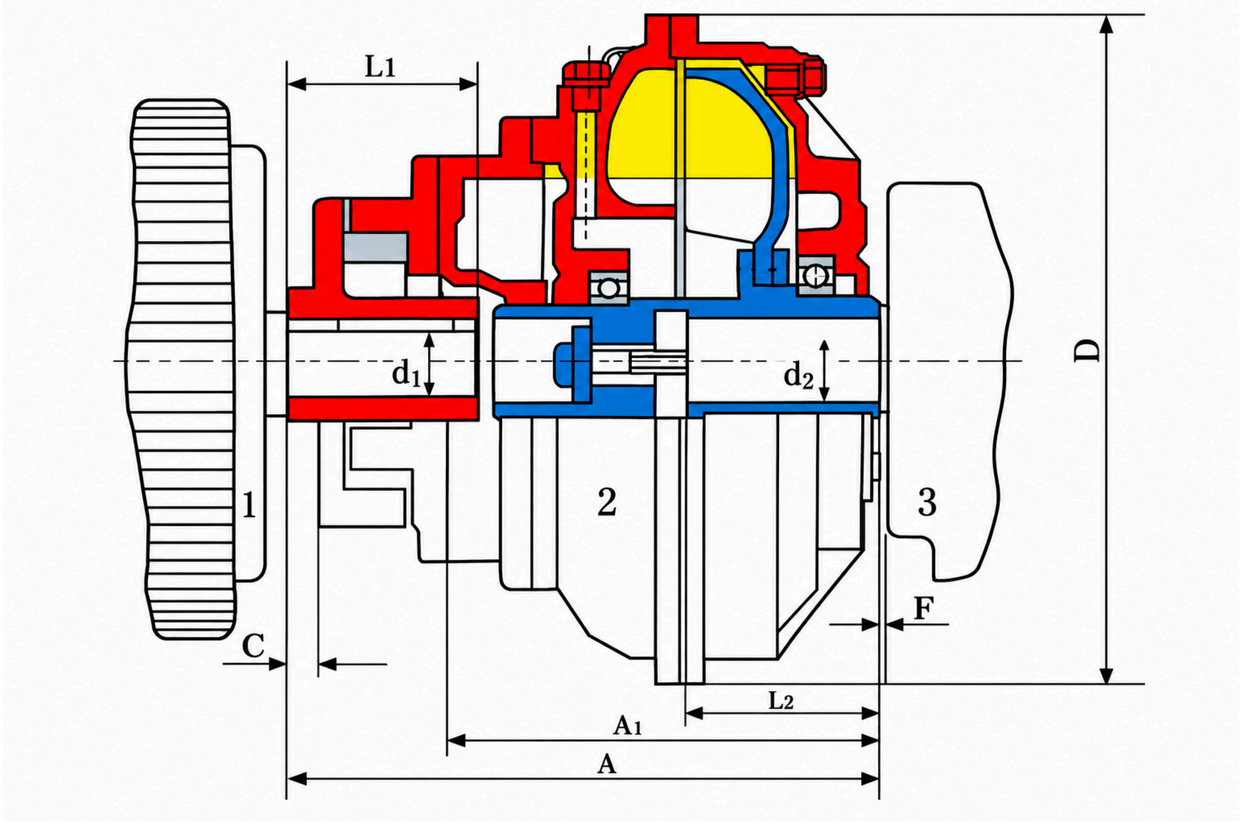
YOX Torque-limiting fluid coupling

Drive arrangement 1

Single working chamber, outer-wheel drive

Component legend

1. Electric motor
2. Fluid coupling
3. Gear reducer



YOX / YOXII / YOXn Technical specifications and main dimensions

Model (GB)	Input speedn (r/min)	Transmitted power rangeN (kW)	Overload factorTg		Efficiencyη	Overall dimensions (mm)					Maximum input bore diameter and length (mm) d1max	Maximum output bore diameter and length (mm) d2max	Oil fill volume q (L)		Mass (kg)
			Starting	Braking		D	A	A1	C	F	L1max	L2max	qmin 40%	qmax 80%	
YOX180	1000	0.1-0.3	2-2.7	2-2.7	0.97	ϕ232	205	125	40	—	ϕ30	ϕ25	0.24	0.48	7
	1500	0.5-1.1									50	50			
YOX200	1000	0.2-0.55	2-2.7	2-2.7	0.97	ϕ254	193	128	25	—	ϕ35	ϕ30	0.6	1.2	8.8
	1500	0.8-2.2									60	60			
YOX220	1000	0.4-1.1	2-2.7	2-2.7	0.97	ϕ278	226	136	50	—	ϕ40	ϕ35	0.76	1.52	13
	1500	1.5-3									80	80			
YOX250	1000	0.8-1.5	2-2.7	2-2.7	0.97	ϕ305	241	156	35	—	ϕ45	ϕ40	1.1	2.1	16
	1500	2.5-5.5									80	80			
YOX280	1000	1.5-3	2-2.7	2-2.7	0.97	ϕ345	254	164	35	—	ϕ50	ϕ45	1.4	2.8	21
	1500	4.5-8									80	110			
YOX320	1000	2.5-5.5	2-2.7	2-2.7	0.97	ϕ380	279	179	35	—	ϕ55	ϕ45	2.2	4.4	28
	1500	9-18.5									110	110			
YOX340	1000	3-9	2-2.7	2-2.7	0.97	ϕ390	296	187	35	2	ϕ55	ϕ50	2.7	5.3	36.5
	1500	12-22									110	110			
YOX360	1000	5-10	1.5-1.8	2-2.5	0.96	ϕ428	308	229	10	3	ϕ60	ϕ55	3.4	6.7	42
	1500	16-30									110	110			
YOX400	1000	8-18.5	1.5-1.8	2-2.5	0.96	ϕ472	338/353	256	5/20	4	ϕ70	ϕ60	5.2	10.4	65
	1500	28-48									110/140	140			
YOX450	1000	15-30	1.5-1.8	2-2.5	0.96	ϕ530	385	292	10	6	ϕ75	ϕ70	7.5	15	79.5
	1500	50-90									140	140			
YOX500	1000	25-50	1.5-1.8	2-2.5	0.96	ϕ582	435	316	30	5	ϕ90	ϕ90	10.3	20.5	105.5
	1500	68-144									170	170			
YOX560	1000	40-80	1.5-1.8	2-2.5	0.96	ϕ634	449/490	350	5/45	7	ϕ100	ϕ100	13.2	26.4	152
	1500	120-270									170/210	210			
YOX600	1000	60-115	1.5-1.8	2-2.5	0.96	ϕ695	490/510	380	5/25	7	ϕ100	ϕ115	16.8	33.6	185
	1500	200-360									170/210	210			
YOX650	1000	90-176	1.5-1.8	2-2.5	0.96	ϕ760	558	425	25	6	ϕ120	ϕ100	24	48	230
	1500	260-480									210	210			
YOX750	1000	170-330	1.5-1.8	2-2.5	0.96	ϕ860	578	450	0	2	ϕ120	ϕ140	34	68	350
	1500	380-760									210	210			
YOX875	750	145-280	1.5-1.8	2-2.5	0.96	ϕ992	705	514	55	7	ϕ150	ϕ150	56	112	495
	1000	330-620									250	250			
	1500	760-1100													
YOX1000	600	160-300	1.5-1.8	2-2.5	0.96	ϕ1138	735	577	0	3	ϕ160	ϕ160	74	148	650
	750	260-590									250	280			
YOX1150	600	265-615	1.5-1.8	2-2.5	0.96	ϕ1312	848	669	10	3	ϕ170	ϕ170	85	170	810
	750	525-1195									300	300			
YOX1250	500	235-540	1.5-1.8	2-2.5	0.96	ϕ1420	942	767	10	4	ϕ200	ϕ200	110	210	960
	600	400-935									300	300			
	750	800-1800													
YOX1320	500	315-710	1.5-1.8	2-2.5	0.96	ϕ1500	1052	855	95	—	ϕ210	ϕ210	128	230	1080
	600	650-1200									320	320			
	750	1050-2360													

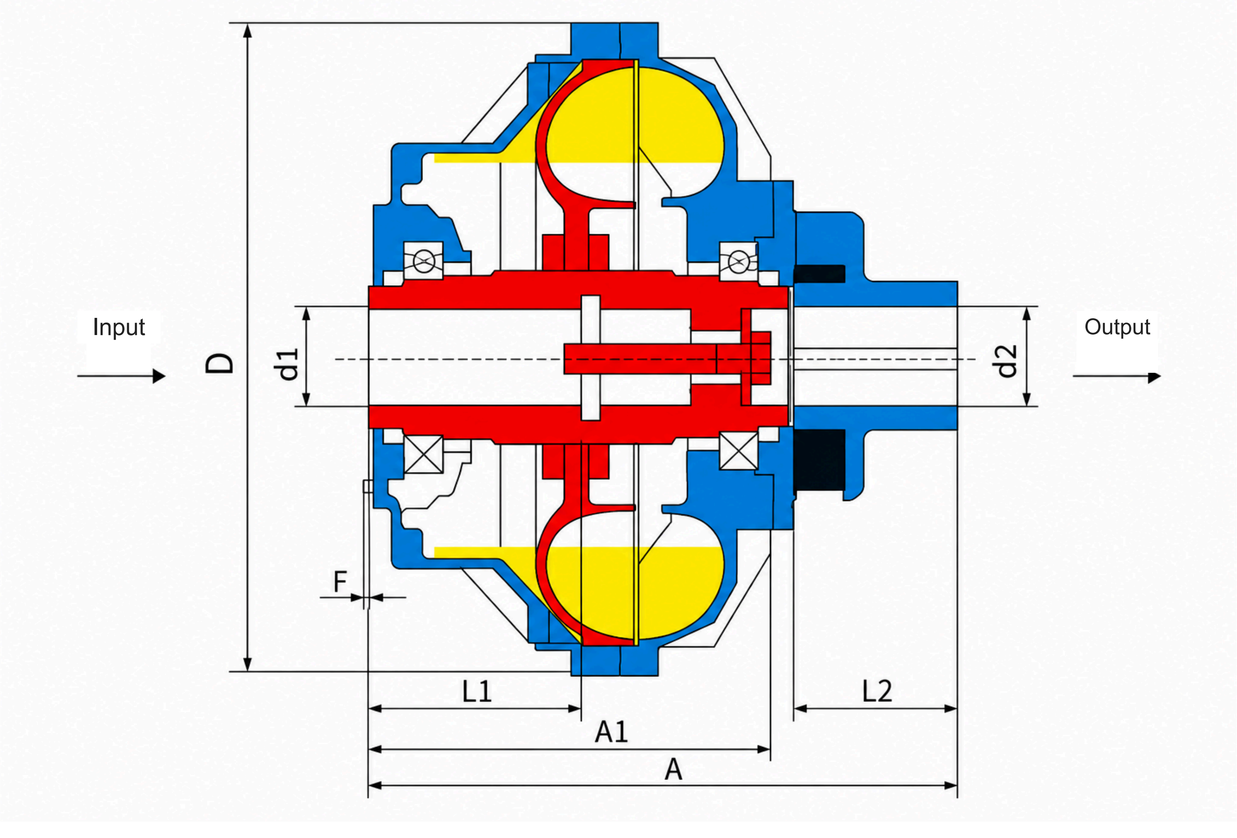
YOXF Torque-limiting fluid coupling

Drive arrangement 19

Fluid coupling with combined fluid drainage

Notes

1. Inner-wheel drive responds to load changes; the mass is supported mainly by the motor shaft.



YOXF Technical specifications and main dimensions

Model and size	Input speedn (r/min)	Transmitted power rangeN (kW)	Overload factorTg		Efficiencyη	Overall dimensions (mm)				Maximum input bore diameter and length (mm) d1max L1max	Maximum output bore diameter and length (mm) d2max L2max	Oil fill volume q (L)		Mass (kg), excluding brake wheel
			Starting	Braking		D	A	A1	F			qmin 40%	qmax 80%	
YOXF360	1000	5-10	0.8-1.2	1.5-2.0	0.96	Φ428	445	10	3	Φ55 / 110	Φ360 / 110	3.4	6.8	48
	1500	16-30												
YOXF400	1000	8-18.5	0.8-1.2	1.5-2.0	0.96	Φ472	470	10	4	Φ64 / 140	Φ70 / 140	5.2	10.4	65
	1500	28-48												
YOXF450	1000	15-30	0.8-1.2	1.5-2.0	0.96	Φ530	500	10	6	Φ70 / 140	Φ75 / 140	7.5	15	70
	1500	50-90												
YOXF500	1000	25-50	0.8-1.2	1.5-2.0	0.96	Φ582	580	15	5	Φ90 / 170	Φ90 / 170	10.3	20.6	105
	1500	68-144												
YOXF560	1000	48-80	0.8-1.2	1.5-2.0	0.96	Φ634	650	15	7	Φ100 / 210	Φ100 / 210	13.2	26.4	130
	1500	120-270												
YOXF600	1000	60-115	0.8-1.2	1.5-2.0	0.96	Φ695	690	15	7	Φ100 / 210	Φ100 / 210	16.8	33.6	165
	1500	200-360												
YOXF650	1000	90-176	0.8-1.2	1.5-2.0	0.96	Φ740	680	15	6	Φ130 / 210	Φ130 / 210	24	48	207
	1500	260-480												
YOXF750	1000	170-330	0.8-1.2	1.5-2.0	0.96	Φ860	830	20	2	Φ150 / 250	Φ140 / 250	34	68	314
	1500	380-760												
YOXF875	750	140-280	0.8-1.2	1.5-2.0	0.96	Φ992	905	20	7	Φ150 / 250	Φ150 / 250	56	112	460
	1000	330-620												

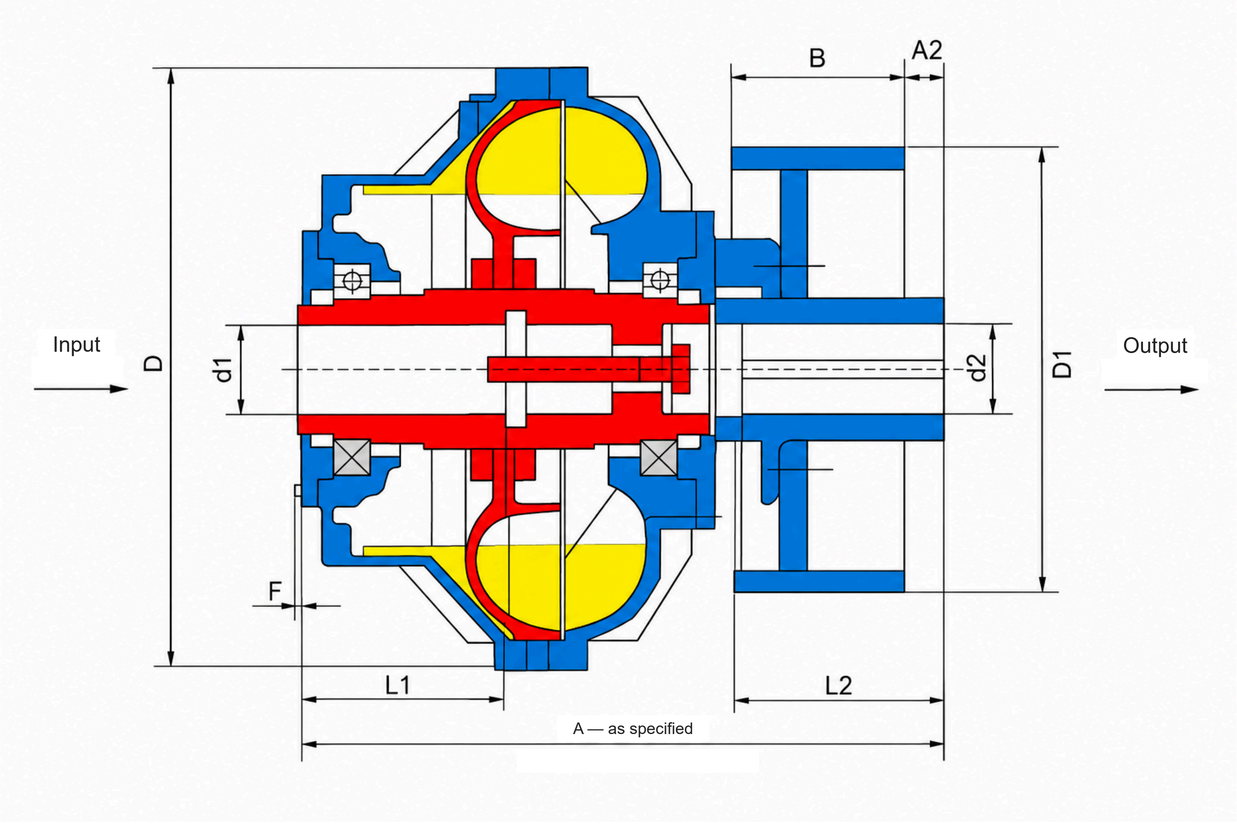
YOXFz Torque-limiting fluid coupling

Drive arrangement 20

Combined fluid drainage · With brake wheel

Notes

1. Inner-wheel drive responds to load changes; the mass is supported mainly by the motor shaft.
2. A compact configuration with a brake wheel for drive units requiring braking.



YOXFz Technical specifications and main dimensions

Model and size	Input speedn (r/min)	Transmitted power rangeN (kW)	Overload factorTg		Efficiencyη	Overall dimensions (mm)			Maximum input bore diameter and length (mm) $d_1$max L_1max	Maximum output bore diameter and length (mm) $d_2$max L_2max	Brake-wheel dimensions (mm)	Oil fill volume q (L)		Mass (kg), excluding brake wheel
			Starting	Braking		D	A	F			$D_1 \cdot A_2 \cdot B$	qmin 40%	qmax 80%	
YOXFZ360	1000	5-10	0.8-1.2	1.5-2.0	0.96	Φ428	445	3	Φ55 110	Φ60 110		3.4	6.8	48
	1500	16-30												
YOXFZ400	1000	8-18.5	0.8-1.2	1.5-2.0	0.96	Φ472	470	4	Φ60 140	Φ70 140		5.2	10.4	65
	1500	28-48												
YOXFZ450	1000	15-30	0.8-1.2	1.5-2.0	0.96	Φ530	500	6	Φ70 140	Φ75 140		7.5	15	70
	1500	50-90												
YOXFZ500	1000	25-50	0.8-1.2	1.5-2.0	0.96	Φ582	580	5	Φ90 170	Φ90 170		10.3	20.6	105
	1500	68-144												
YOXFZ560	1000	48-80	0.8-1.2	1.5-2.0	0.96	Φ634	650	7	Φ100 210	Φ100 210	Machined to customer-supplied dimensions	13.2	26.4	130
	1500	120-270												
YOXFZ600	1000	60-115	0.8-1.2	1.5-2.0	0.96	Φ695	690	7	Φ100 210	Φ100 210		16.8	33.6	165
	1500	200-360												
YOXFZ650	1000	90-176	0.8-1.2	1.5-2.0	0.96	Φ760	735	6	Φ130 210	Φ130 210		24	48	207
	1500	260-480												
YOXFZ750	1000	170-330	0.8-1.2	1.5-2.0	0.96	Φ860	830	2	Φ150 250	Φ140 250		34	68	314
	1500	380-760												
YOXFZ875	750	140-280	0.8-1.2	1.5-2.0	0.96	Φ992	905	7	Φ150 250	Φ150 250		56	112	460
	875	330-620												

YOXAMP Torque-limiting fluid coupling

Drive arrangement 21

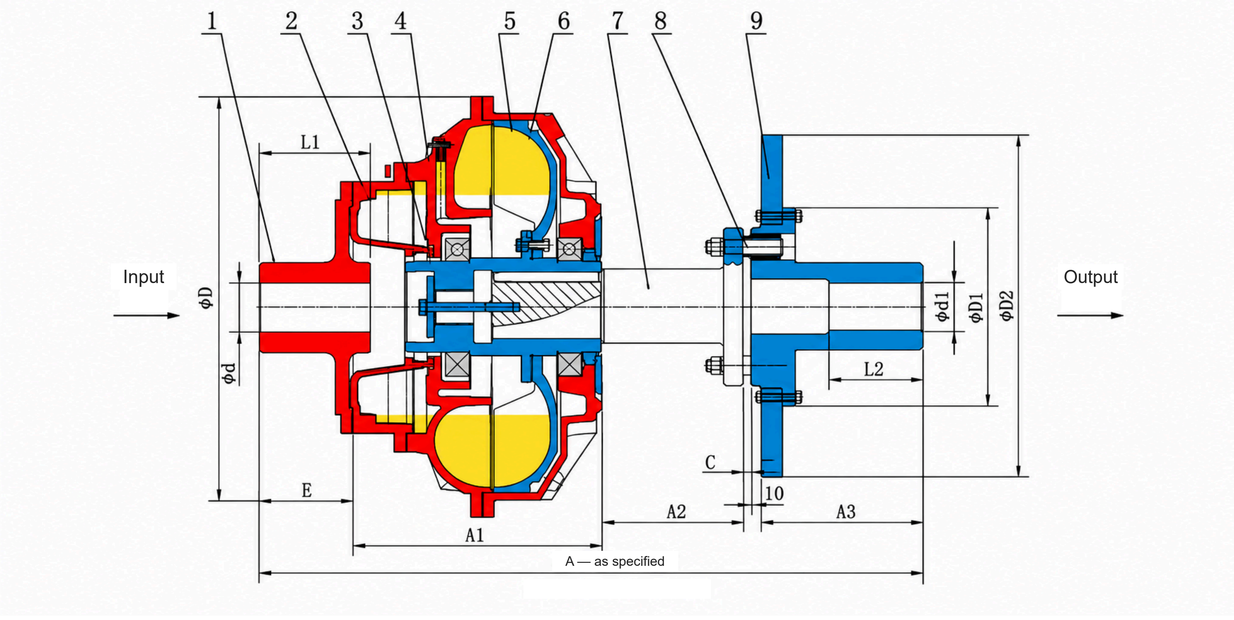
Single working chamber, outer-wheel drive · With brake disc

Component legend

1. Connecting disc
2. Rear auxiliary chamber
3. Main shaft
4. Pump wheel
5. Turbine wheel
6. Casing
7. Flexible pin-and-bush coupling
8. Elastic pins and bushes
9. Brake disc

Notes

1. A connecting disc and elastic pin-and-bush connection facilitate removal and maintenance.



YOXAMP Technical specifications and main dimensions

Model and size	Input speedn (r/min)	Transmitted power rangeN (kW)	Overload factorTg		Efficiencyη	Overall dimensions (mm)					Oil fill volume q (L)	
			Starting	Braking		D	A	E	A_1	C	qmin 40%	qmax 80%
YOXAMP400	1000	8-18.5	1.5-1.8	2-2.5	0.96	Φ472		101	256	8	5.2	10.4
	1500	28-48										
YOXAMP450	1000	15-30	1.5-1.8	2-2.5	0.96	Φ530		90	292	8	7.5	15
	1500	50-90										
YOXAMP500	1000	25-50	1.5-1.8	2-2.5	0.96	Φ582		107	316	10	10.3	20.6
	1500	68-144										
YOXAMP560	1000	40-80	1.5-1.8	2-2.5	0.96	Φ634		141	350	10	13.2	26.4
	1500	120-270										
YOXAMP600	1000	60-115	1.5-1.8	2-2.5	0.96	Φ695	Machined to customer-supplied dimensions	140	380	12	16.8	33.6
	1500	200-360										
YOXAMP650	1000	90-176	1.5-1.8	2-2.5	0.96	Φ760		134	425	12	24	48
	1500	260-480										
YOXAMP750	1000	170-330	1.5-1.8	2-2.5	0.96	Φ860		160	450	12	34	68
	1500	380-760										
YOXAMP875	750	145-280	1.5-1.8	2-2.5	0.96	Φ992		160	514	12	56	112
	1000	330-620										
	1500	760-1100										

YOXNL Torque-limiting fluid coupling

Drive arrangement 22

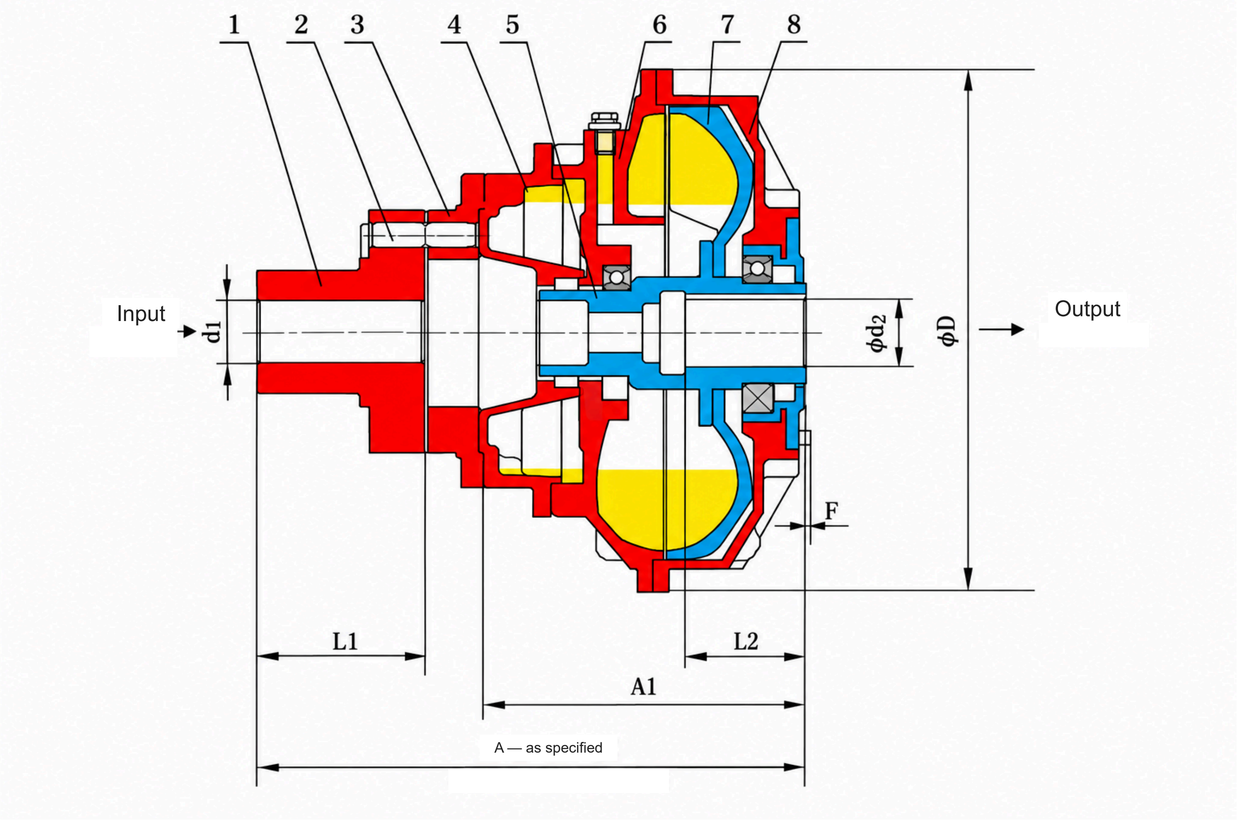
Single working chamber, outer-wheel drive · Nylon-pin connection

Component legend

1. Driving coupling half
2. Nylon pins
3. Driven coupling half
4. Rear auxiliary chamber
5. Main shaft
6. Pump wheel
7. Turbine wheel
8. Casing

Notes

1. Compact construction with convenient nylon-pin replacement.



YOXNL Technical specifications and main dimensions

Model and size	Input speedn (r/min)	Transmitted power rangeN (kW)	Overload factorTg		Efficiencyη	Overall dimensions (mm)				Oil fill volume q (L)	
			Starting	Braking		D	A	A_1	C	qmin 40%	qmax 80%
YOXNL400	1000	8-18.5	1.5-1.8	2-2.5	0.96	Φ472		256	3	5.2	10.4
	1500	28-48									
YOXNL450	1000	15-30	1.5-1.8	2-2.5	0.96	Φ530		292	4	7.5	15
	1500	50-90									
YOXNL500	1000	25-50	1.5-1.8	2-2.5	0.96	Φ582		316	6	10.3	20.6
	1500	68-144									
YOXNL560	1000	40-80	1.5-1.8	2-2.5	0.96	Φ634		350	5	13.2	26.4
	1500	120-270									
YOXNL600	1000	60-115	1.5-1.8	2-2.5	0.96	Φ695	Machined to customer-supplied dimensions	380	7	16.8	33.6
	1500	200-360									
YOXNL650	1000	90-176	1.5-1.8	2-2.5	0.96	Φ760		425	7	24	48
	1500	260-480									
YOXNL750	1000	170-330	1.5-1.8	2-2.5	0.96	Φ860		450	6	34	68
	1500	380-760									
YOXNL875	750	145-280	1.5-1.8	2-2.5	0.96	Φ992		514	2	56	112
	1000	330-620									
	1500	760-1100									

YOXIIA Torque-limiting fluid coupling

Drive arrangement 23

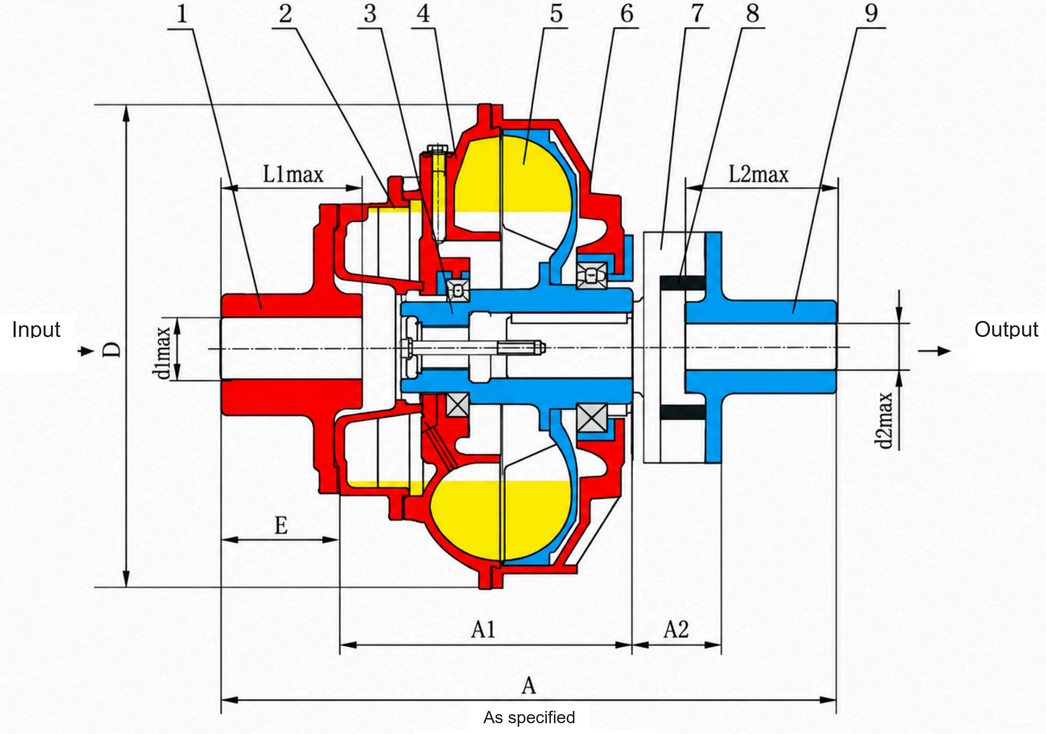
Single working chamber, outer-wheel drive · Flexible jaw connection

Component legend

1. Connecting disc
2. Rear auxiliary chamber
3. Main shaft
4. Pump wheel
5. Turbine wheel
6. Casing
7. Connecting shaft
8. Elastic rubber blocks
9. Driving member

Notes

1. Compact construction with an elastic connection for convenient assembly and maintenance.



YOXIIA Technical specifications and main dimensions

Model and size	Input speedn (r/min)	Transmitted power rangeN (kW)	Overload factorTg		Efficiencyη	Overall dimensions (mm)					Oil fill volume q (L)	
			Starting	Braking		D	A	E	A_1	A_2	qmin 40%	qmax 80%
YOXIIA400	1000	8-18.5	1.5-1.8	2-2.5	0.96	ϕ472		101	256	89	5.2	10.4
	1500	28-48										
YOXIIA450	1000	15-30	1.5-1.8	2-2.5	0.96	ϕ530		90	292	93	7.5	15
	1500	50-90										
YOXIIA500	1000	25-50	1.5-1.8	2-2.5	0.96	ϕ582		107	316	100	10.3	20.6
	1500	68-144										
YOXIIA560	1000	40-80	1.5-1.8	2-2.5	0.96	ϕ634	Machined to customer-supplied dimensions	141	350	104	13.2	26.4
	1500	120-270										
YOXIIA600	1000	60-115	1.5-1.8	2-2.5	0.96	ϕ695		140	380	116	16.8	33.6
	1500	200-360										
YOXIIA650	1000	90-176	1.5-1.8	2-2.5	0.96	ϕ760		134	425	116	24	48
	1500	260-480										
YOXIIA750	1000	170-330	1.5-1.8	2-2.5	0.96	ϕ860		160	450	140	34	68
	1500	380-760										
YOXIIA875	750	145-280	1.5-1.8	2-2.5	0.96	ϕ992		160	514	155	56	112
	1000	330-620										
	1500	760-1100										