

D27/D36

27hp (19.9kW)

36hp (26.5kW)

YANMAR

MARINE DIESEL ENGINES

The *only* choice in diesel outboard engines.

The DOBM from **YANMAR**, is a fuel efficient low revving outboard. It has led the class for over fifteen years. This is why...



Photograph may show optional equipment

● Reliable

Boat owners relate to the advantages of a diesel: lower chance of electrical fault, better fuel economy and a long, reliable work filled life.

● Long hours

Useful for trolling, working nets or fish farming, the diesel can't be matched in low speed operation. The combustion chamber and new cooling system allows for hours of idling.

● Cool

The thermostat cools the engine in response to how hard it is working by changing the temperature of the water.

● Superior

Special cast iron cylinder liners are bonded onto the one piece aluminium block. Miniature fuel injection pumps are combined with nozzles to form "unit injectors" which are super compact

Technical Details

Engine and Block

- One piece aluminium block.
- Cast iron cylinder bonded to the block.
- With a five coat painting process, the engine is protected both inside and out.

Fuel System

- Precise fuel metering with quick response.

Cooling System

- Seawater thermostat

Exhaust System

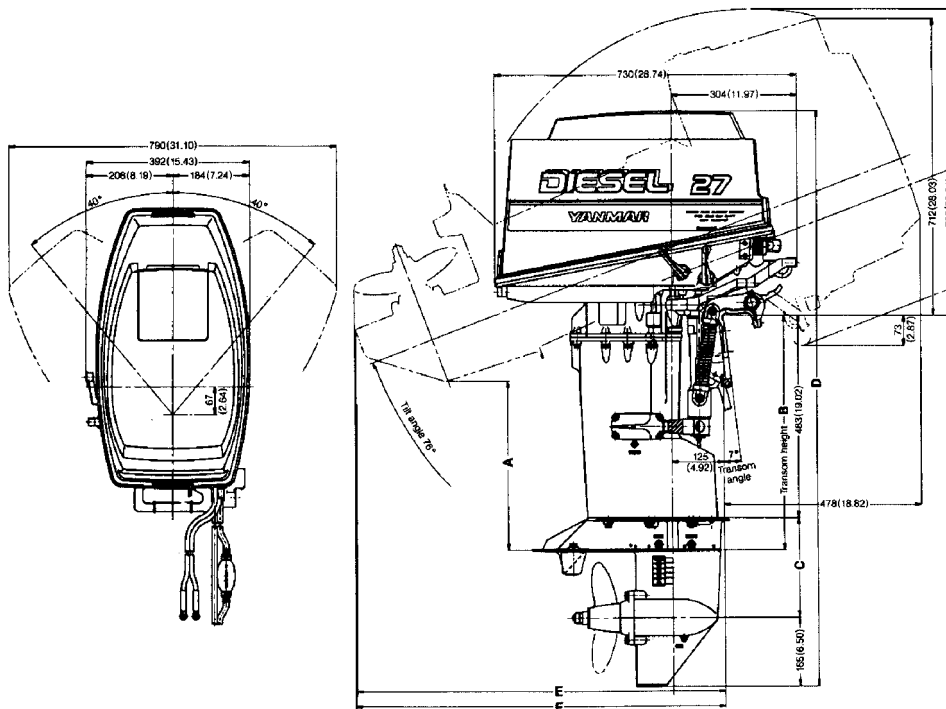
- Miniature injection pump and reduced smoke.

SPECIFICATIONS

Model	D27	
Configuration	4-cycle, vertical, water cooled diesel engine	
Number of cylinders	3	
Bore and stroke	mm (in.) 70 x 70 (2.76 x 2.76)	
Displacement	cc (cu. in.) 808 (49)	
Maximum output	hp(kW)/rpm at crankshaft (19.9kW/4500rpm)	
Combustion system	Direct injection	
Starting system	Electric with emergency rope start	
Cooling system	Direct seawater cooling by rubber impeller pump	
Lubrication system	Forced lubrication with trochoid pump	
Generator	AC dynamo built in flywheel	
Drive device		
Clutch type	Dog type clutch	
Reduction ratio	Ahead/Astern 1.846/1.846	
Direction of rotation	Clockwise viewed from propeller	
Lubrication system	Oil bath	
Tilt up system	AX-E manual AX-EP hydraulic	
Control device		
Engine speed control	Remote control	
Clutch control	Remote control	
Steering	Remote control	
Transom installation	Through bolts with nuts	
Fuel oil	Diesel fuel with kerosene (Add lube oil, 30:1)	
Fuel oil capacity	ℓ(cu.in) 24 (1465)	
Lube oil	Engine: SAE 15W40, API CD/ Drive: SAE 80W90, API Gear oil #90	
Dry weight		
L-type	94kgs (207lbs)	102kgs (225lbs)
LL-type	95kgs (209lbs)	103kgs (227lbs)
UL-type	96kgs (212lbs)	104kgs (229lbs)



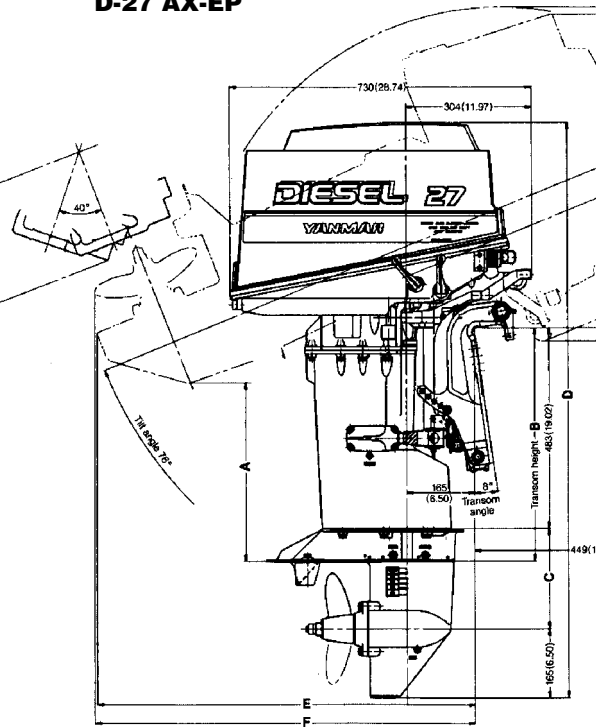
D-27 AX-E



D-27 AX-E

	A	B	C	D	E	F
L-type	402 (15.83)	560 (22.05)	239 (9.41)	1380 (54.33)	889 (35.00)	892 (35.12)
LL-type	442 (17.40)	623 (24.53)	302 (11.89)	1443 (56.81)	947 (37.28)	952 (37.48)
UL-type	482 (18.98)	685 (26.97)	364 (14.33)	1505 (59.25)	1005 (39.57)	1009 (39.72)

D-27 AX-EP



D-27 AX-EP

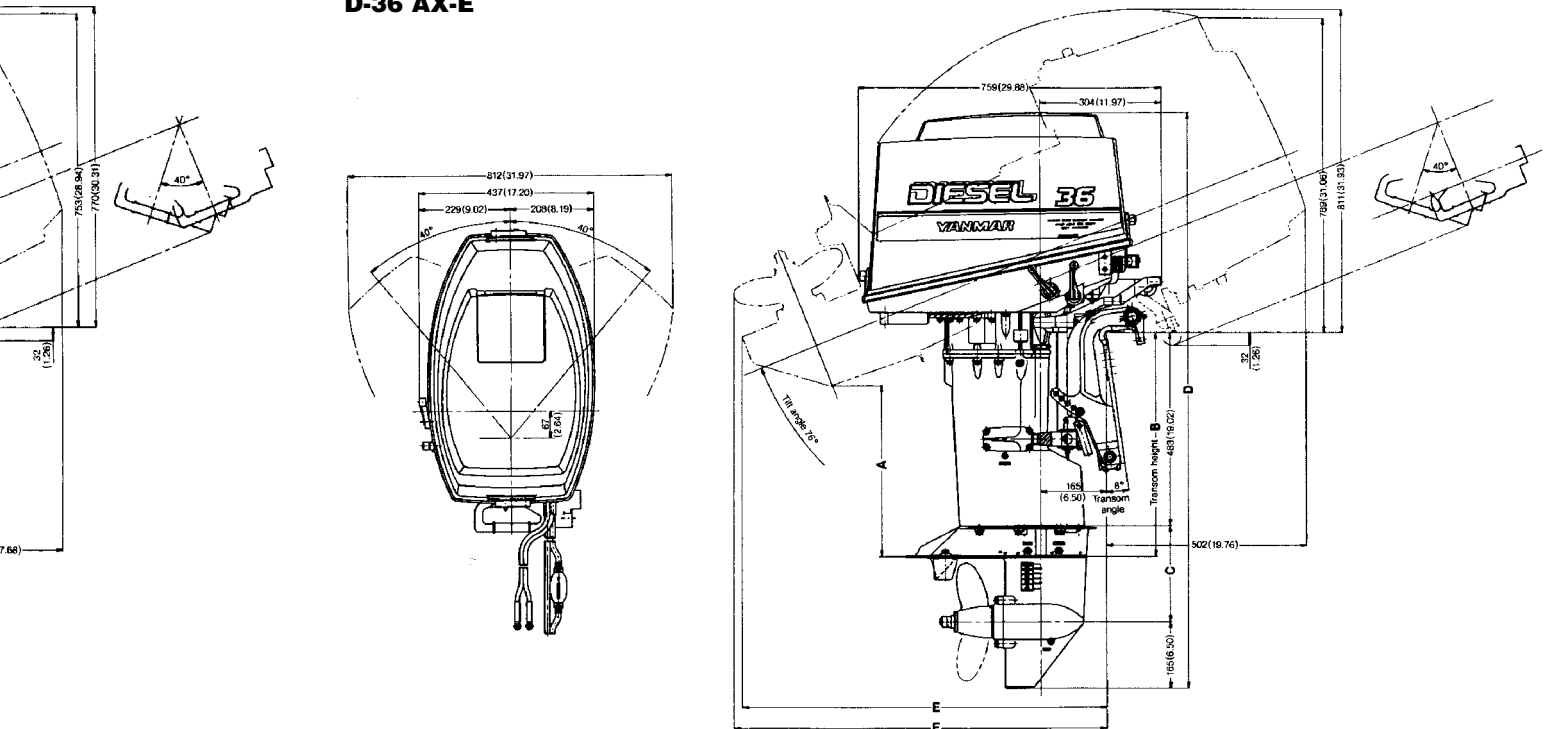
	A	B	C	D	E
L-type	402 (15.83)	560 (22.05)	239 (9.41)	1380 (54.33)	889 (35.00)
LL-type	442 (17.40)	623 (24.53)	302 (11.89)	1443 (56.81)	947 (37.28)
UL-type	482 (18.98)	685 (26.97)	364 (14.33)	1505 (59.25)	1005 (39.57)

SPECIFICATIONS



Model	D36	
Configuration	4-cycle, vertical, water cooled diesel engine	
Number of cylinders	3	
Bore and stroke mm (in.)	82 x 70 (3.23 x 2.76)	
Displacement cc (cu. in.)	1019 (68)	
Maximum output hp(kW)/rpm at crankshaft	36hp/4500rpm (26.5kW/4500rpm)	
Combustion system	Direct injection	
Starting system	Electric with emergency rope start	
Cooling system	Direct seawater cooling by rubber impeller pump	
Lubrication system	Forced lubrication with trochoid pump	
Generator	AC dynamo built in flywheel	
Drive device		
Clutch type	Dog type clutch	
Reduction ratio Ahead/Astern	1.846/1.846	
Direction of rotation	Clockwise viewed from propeller	
Lubrication system	Oil bath	
Tilt up system	AX-E manual	AX-EP hydraulic
Control device		
Engine speed control	Remote control	
Clutch control	Remote control	
Steering	Remote control	
Transom installation	Through bolts with nuts	
Fuel oil	Diesel fuel with kerosene (Add lube oil, 30:1)	
Fuel oil capacity ℓ(cu.in)	24 (1465)	
Lube oil	Engine: SAE 15W40, API CD/ Drive: SAE 80W90, API Gear oil #90	
Dry weight		
L-type	116kgs (256lbs)	120kgs (265lbs)
LL-type	117kgs (258lbs)	121kgs (267lbs)
UL-type	118kgs (260lbs)	122kgs (269lbs)

D-36 AX-E



D-36 AX-E

F	A	B	C	D	E	F
892	402	560	239	1380	889	892
35.12	(15.83)	(22.05)	(9.41)	(54.33)	(35.00)	(35.12)
952	442	623	302	1443	947	952
(37.48)	(17.40)	(24.53)	(11.89)	(56.81)	(37.28)	(37.48)
1009	482	685	364	1505	1005	1009
39.72	(18.98)	(26.97)	(14.33)	(59.25)	(39.57)	(39.72)

ACCESSORIES

REMOTE CONTROL ASS'Y

	D27	D36	
Transom length, L-type, 560mm	●	●	●
Transom length, LL-type, 623mm	●	●	●
Transom length, UL-type, 685mm	●	●	●
Charging dynamo, 12V-10A	●	●	●
Charging dynamo, 12V-20A	▲	▲	▲
Bolts and nuts for outboard motor clamp	●	●	●
Remote control bracket for engine speed & clutch shift control	●	●	●
Remote control bracket for steering control	●	●	●
Bar handle control	▲	▲	▲
Hydraulic tilt switch	-	●	-
Spare parts kit	▲	▲	▲
Half tilt device	▲	▲	▲
Special overhauling tool kit	▲	▲	▲
F.O tank (24ℓ), hose 2m & connect parts	●	●	●
Tool kit	●	●	●
Operation manual	●	●	●
Propeller clamp kit	●	●	●
Propeller, 3-10.5 x 9	▲	▲	-
Propeller, 3-10.5 x 9.5	▲	▲	-
Propeller, 3-10.5 x 10	▲	▲	-
Propeller, 3-10.5 x 10.5	▲	▲	-
Propeller, 3-10.5 x 11	▲	▲	-
Propeller, 3-10.5 x 11.5	▲	▲	-
Propeller, 3-10.5 x 12	▲	▲	-
Propeller, 3-10.5 x 12.5	▲	▲	-
Propeller, 3-10.5 x 13	▲	▲	-
Propeller, 3-11.5 x 9	-	-	▲
Propeller, 3-11.5 x 10	-	-	▲
Propeller, 3-11.5 x 10.5	-	-	▲
Propeller, 3-11.5 x 11	-	-	▲
Propeller, 3-11.5 x 11.5	-	-	▲
Propeller, 3-11.5 x 12	-	-	▲
Propeller, 3-11.5 x 12.5	-	-	▲
Propeller, 3-11.5 x 13	-	-	▲
Propeller, 3-11.5 x 14	-	-	▲
Propeller, 3-11.5 x 15	-	-	▲
*Remote control Ass'y, S-type (Standard) (included: Starter switch, Manual engine stop, L.O alarm lamp)	●	●	●
*Remote control Ass'y, A-type (included: Starter switch, Manual engine stop, Type 2 panel, Wireharness 5m, 2m, Alarm panel)	▲	▲	▲
*Remote control Ass'y, B-type (included: Engine stop solenoid, Wireharness 2m, Extension wireharness 5m)	▲	▲	▲
*Remote control Ass'y, C-type (included: Remote control hjead NA12, Engine stop solenoid, Wireharness 2m, Extension wireharness 5m)	▲	▲	▲
*Remote control Ass'y, D-type (included: Remote control head NA12, Engine stop solenoid, Wireharness 5m, 2m, Alarm panel with Tachometer, Hour meter)	▲	▲	▲

*Refer to detail table ● : Standard ▲ : Option - : Not available

Ass'y Name	S	A	B	C	D
Engine Remote control head	-	-	-	▲	▲
Speed Governor	-	-	-	-	-
Shift	▲	▲	▲	▲	▲
Steering	-	-	-	-	-
Starting Device	●	▲	-	-	-
Engine Stopping Device	-	-	-	▲	▲
Kill-SW.	-	-	-	▲	▲
Lube oil Alarm lamp	●	-	-	-	-
Tachometer sensor	-	-	-	-	●
Tilt SW.	-	-	-	▲	▲
Instrument panel	-	▲	-	-	-
Alarm panel	-	▲	-	-	▲
Wire-harness	●	-	-	-	-
Extension	-	-	-	▲	▲

● : Equipped on engine. ▲ : In packing - : Not included