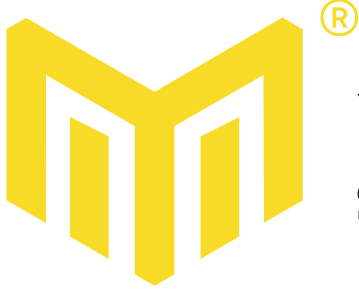


yagmurmotor.com



**YAĞMUR MOTOR**  
**SANAYİ VE TİCARET A.Ş**

Since 1966



**COMPANY  
PROFILE**

**2021**

***Thorq***®



since 1966

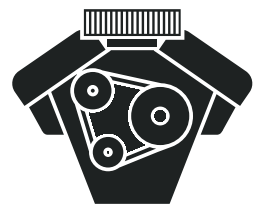
To meet the needs for power and movement of the society and to improve their life standards with the engineering solutions we produce.



10.000+ m<sup>2</sup>  
Production Facility

**+55** years  
sector experience

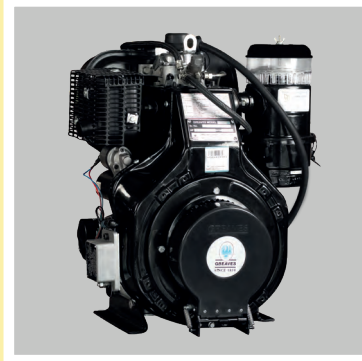
Produced many technological agricultural machines and power products such as engines, tillers, tractors and water-pumps.



# Working Area

## Engine Business

Diesel & Gasoline Solutions



## Agricultural Machinery Business

Diesel & Gasoline Solutions

## Spare Parts & Engineering Services Business



# Brands & Distributorships

# **Thorq**®

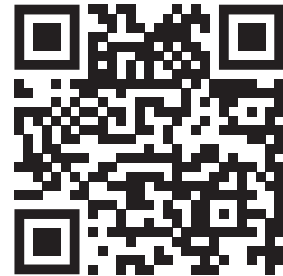
Own brand for Power Products

[www.thorqpower.com](http://www.thorqpower.com)



**GREAVES**   
**ENGINES**

Turkey authorized distributor  
of one of the world's leading  
engine manufacturers.



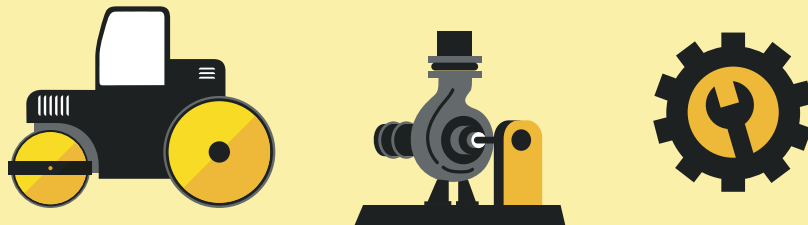
# Engine Business

A Key Business Partner to Power, Mobility & Infrastructure



## Agricultural Machinery Applications

power tillers, power weeders, water-pumps



## Industrial Applications

light construction, fire-fighting pump, defence industry



## Power Product Applications

generators, power units



## Marine Applications

inboard engines for boats



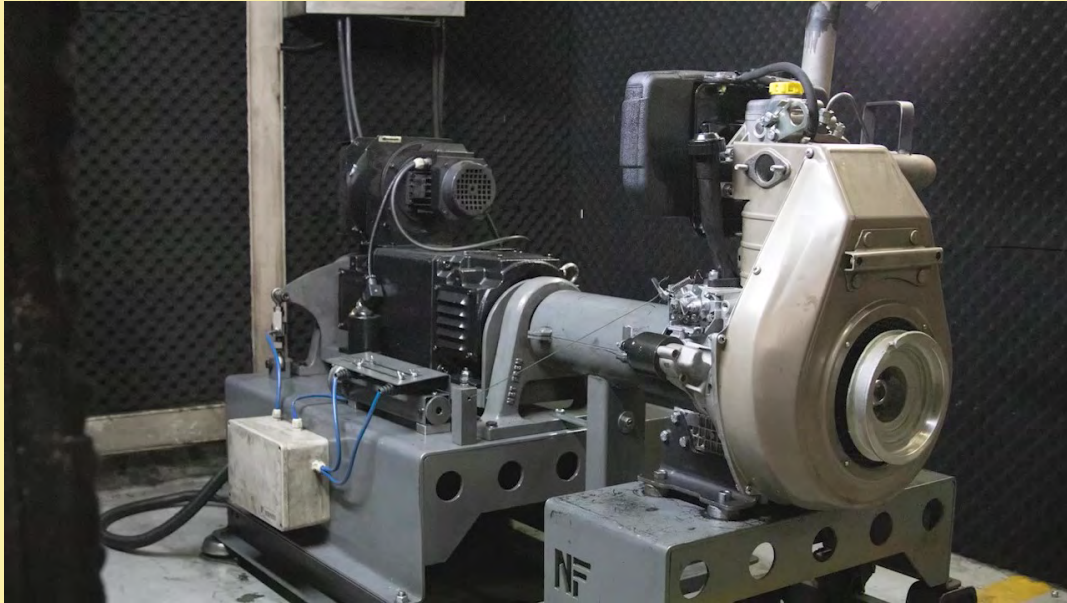
# Manufacturing Technology



Capability of machining critical parts such as engine crankcase, cylinder head and crankshaft within its own production facility.



# Engine Tests in R&D Center

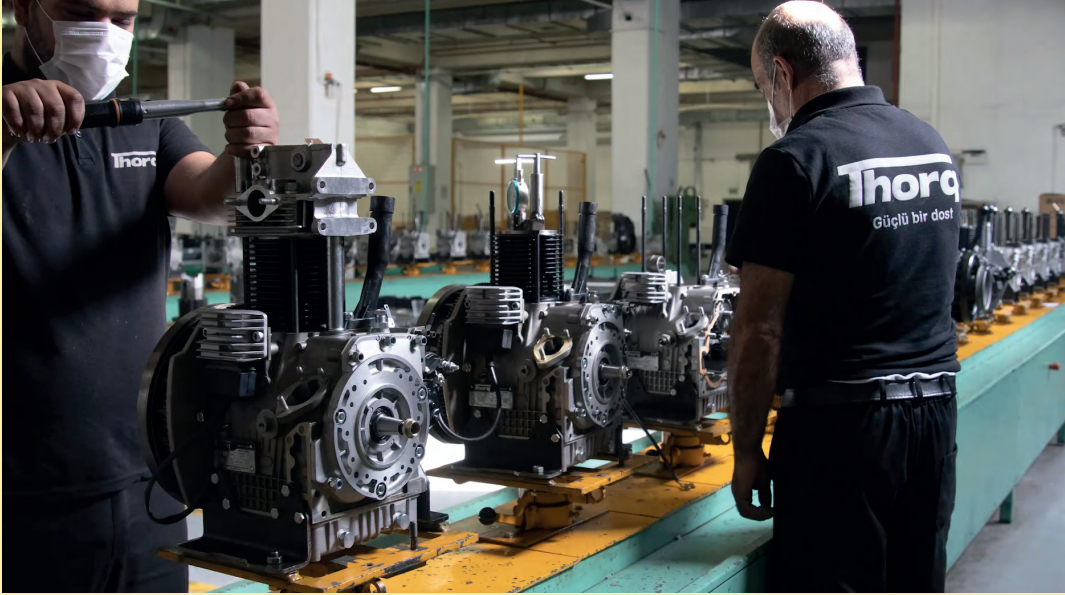


Life and performance tests are carried out in the R&D center located in the facility.





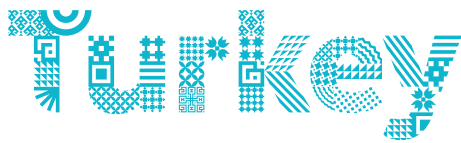
# Progress in Production Capacity



**17000 Units**  
**Production Capacity Annually**



# Export Markets



Discover  
the potential

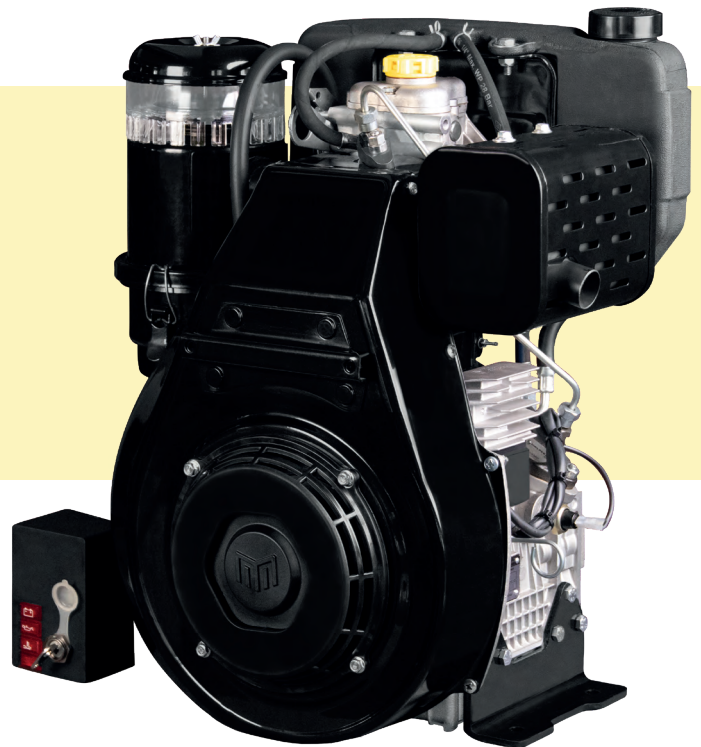
## Top Export Markets

Europe  
North and South Africa  
South America



MULTI PURPOSE ENGINES

## TDRF Diesel Series



### Customer Benefits

- Unique, compact and rugged design for extreme conditions.
- Torque advantage in similar engine class.
- Application flexibility with customized power take-off arrangement.
- Cost effective thanks to low fuel and low oil consumption.
- Long engine life.
- Backed by professional after-sales support.
- Optional a complete range of accessories.

### Quick Specifics

- 4-stroke, 1-cylinder, air-cooled diesel engine.
- Rope, recoil or electric starting.
- Die-cast aluminium crankcase with integral cast iron cylinder liner.
- Counter-clockwise rotation (View from PTO side).
- Standard conical PTO and different PTO options.

### Applications



#### Agricultural Machinery Applications

walk-behind tractor, power tiller, agricultural mower, water-pump (irrigation)



#### Industrial Applications

fire-fighting pump, air compressor, vibrating plate, light construction, defence industry



#### Power Product Applications

generator set, power units, welder



#### Marine Applications

inboard engines for boats



## DIESEL ENGINES

Model			TDRF80	TDRF80/S	TDRF90	TDRF90/S
Number of cylinders			1	1	1	1
Bore x Stroke	mm		80 x 75	80 x 75	90 x 75	90 x 75
Displacement	cm <sup>3</sup>		377	377	477	477
Compression Ratio			19:1	19:1	18.5:1	18.5:1
Rating	N(DIN70020)	kw (HP)	6 (8.2)	6.5 (8.8)	7.4 (10)	8,1 (11)
	NB(DIN6270)	kw (HP)	5.6 (7.6)	6 (8.2)	6.8 (9.3)	7.5 (10.2)
	NA(DIN6270)	kw (HP)	5.2 (7)	5.6 (7.6)	6.3 (8.6)	7 (9.5)
Speed	rpm		3000	3600	3000	3600
Max. Torque	(NM@rpm)		21@2500	21@2500	25@2500	25@2500
Fuel Tank Capacity	liter		5.5	5.5	5.5	5.5
Oil Sump Capacity	liter		2	2	2	2
Rotation (view from PTO side)			Counter-clockwise	Counter-clockwise	Counter-clockwise	Counter-clockwise
Dry Weight	kg		48	48	48	48

Model			TDRF120	TDRF120/S	TDRF140
Number of cylinders			1	1	1
Bore x Stroke	mm		90 x 85	90 x 85	95 x 85
Displacement	cm <sup>3</sup>		541	541	602
Compression Ratio			18:1	18:1	18:1
Rating	N(DIN70020)	kw (HP)	9 (12.2)	9.5 (13)	10.1 (13.6)
	NB(DIN6270)	kw (HP)	8.2 (11.2)	8.8 (12)	9.2 (12.5)
	NA(DIN6270)	kw (HP)	7.6 (10.3)	8.2 (11.2)	8.4 (11.5)
Speed	rpm		3000	3600	3000
Max. Torque	(NM@rpm)		32.6@2400	32.6@2400	38.2@1800
Fuel Tank Capacity	liter		5.5	5.5	5.5
Oil Sump Capacity	liter		2	2	2
Rotation (view from PTO side)			Counter-clockwise	Counter-clockwise	Counter-clockwise
Dry Weight	kg		56	56	57

Note: All data (technical information, product images etc.) are subject to alteration by YAĞMUR MOTOR A.Ş. without notice.



## WATER PUMPS & IRRIGATION SOLUTIONS

# YKF - SKF Diesel Series



### Customer Benefits

- Unique, compact and rugged design for extreme conditions.
- Torque advantage in similar engine class.
- Easy starting with electric starting option.
- Cost effective thanks to low fuel and low oil consumption.
- Long engine life.
- Backed by professional after-sales support.
- Optional a complete range of accessories.

### Quick Specifics

- 4-stroke, 1-cylinder, air-cooled diesel engine.
- Rope, recoil or electric starting.
- Sprinkler irrigation or flood irrigation options.
- Scroll case and centrifuge pump.
- Monoblock accouplement type.

### Applications



**Agricultural Machinery Applications**  
water-pump (irrigation)



**Industrial Applications**  
fire-fighting pump

*Please contact us for alternative solutions. Professional engineering team of YAGMUR MOTOR A.S. provides services for various agricultural irrigation and industrial pump solutions.*



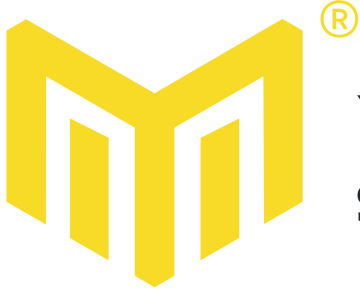


## DIESEL WATERPUMPS

Model		TDRF90 YKF100-3	TDRF120 YKF100-3	G 1510 YKF100-3	TDRF140 YKF100-4	
Engine		TDRF90 10 HP (7,5kW) Diesel	TDRF120 12,2 HP (9kW) Diesel	G 1510 12,2 HP (9kW) Diesel	TDRF140 13,6 HP (10kW) Diesel	
Pump Types		Scroll Case, Centrifuge, Sprinkler Irrigation	Scroll Case, Centrifuge, Sprinkler Irrigation	Scroll Case, Centrifuge, Sprinkler Irrigation	Scroll Case, Centrifuge, Sprinkler Irrigation	
Engine Speed	rpm	3000	3000	3000	3000	
Pump Inlet Diameter	inch	4"	4"	4"	4"	
Pump Outlet Diameter	inch	3"	3"	3"	4"	
Effective Working Range	Capacity	ton/hour	30	40	40	55-75
	Head	meter	45	50	50	40-20
Fuel Tank Capacity	liter	5.5	5.5	5.5	5.5	
Accouplement Type		Monoblock	Monoblock	Monoblock	Monoblock	
Packing Gland Type		Mechanic	Mechanic	Mechanic	Mechanic	
Weight	kg	105	106	106	107	
Dimensions	cm	80x63x80	80x63x80	80x63x80	80x63x80	

Model		TDRF90 SKF80 - 2,5	TDRF120 SKF100-3	G 1510 SKF100-3	TDRF140 SKF100-4	
Engine		TDRF90 10 HP (7,5kW) Diesel	TDRF120 12,2 HP (9kW) Diesel	G 1510 12,2 HP (9kW) Diesel	TDRF140 13,6 HP (10kW) Diesel	
Pump Types		Scroll Case, Centrifuge, Flood Irrigation	Scroll Case, Centrifuge, Flood Irrigation	Scroll Case, Centrifuge, Flood Irrigation	Scroll Case, Centrifuge, Flood Irrigation	
Engine Speed	rpm	3000	3000	3000	3000	
Pump Inlet Diameter	inch	3"	4"	4"	4"	
Pump Outlet Diameter	inch	2,5"	3"	3"	4"	
Effective Working Range	Capacity	ton/hour	40-60	60-98	60-98	70-100
	Head	meter	38-20	35-20	35-20	30-10
Fuel Tank Capacity	liter	5.5	5.5	5.5	5.5	
Accouplement Type		Monoblock	Monoblock	Monoblock	Monoblock	
Packing Gland Type		Mechanic	Mechanic	Mechanic	Mechanic	
Weight	kg	105	106	106	107	
Dimensions	cm	80x63x80	80x63x80	80x63x80	80x63x80	

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