



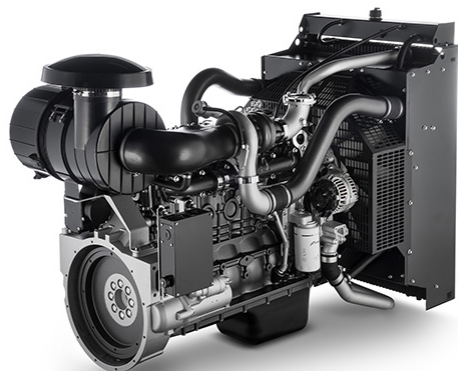
BIMOTOR BROCHURE

Sprinkler

UNLISTED FAMILY

Radiator Cooled

FPT Industrial & Bimotor engines
37 ÷ 246 kW (51 ÷ 335 hp)



Engine general data & performance

Brand	Engine Model	Cylinder Air intake	Electric system	Max Power ⁽¹⁾ [kW]	Rated Speed [RPM]	Flywheel layout
Raywin	4D2402/A	4L - NA	12V	37	2940	SAE 4 – 7,5"
Bimotor	B8030I40R	3L - NA	12V	45	2940	SAE 3 – 11,5"
Raywin	4D24T04/A	4L - TC	12V	48	2940	SAE 4 – 7,5"
FPT Industrial	N45MNAF40	4L - NA	12V	73	2940	SAE 3 – 11,5"
	N45MNSF40	4L - TC	12V	109	2940	SAE 3 – 11,5"
	N45MNTF41	4L - TAA	12V	145	2940	SAE 3 – 11,5"
	N45MNTF40	4L - TAA	12V	164	2940	SAE 3 – 11,5"
	N67MNTF42	6L - TAA	12V	197	2940	SAE 3 – 11,5"
	N67MNTF41	6L - TAA	12V	222	2940	SAE 3 – 11,5"
	N67MNTF40	6L - TAA	12V	246	2940	SAE 3 – 11,5"

Note: L = In line; NA = Naturally aspirated; TAA = Turbocharged aftercooled; TC = Turbocharged.

(1) Power at flywheel according to 97/68 EC (without fan), after 50 hours running, 3% tolerance, fuel Diesel EN 590. Power derating conditions: a deduction of 3 percent from engine horsepower rating at standard SAE conditions shall be made for diesel engines for each 1000 ft. (305 m) altitude above 300 ft. (91.4 m) , a deduction of 1 percent from engine horsepower rating as corrected to standard SAE conditions shall be made for diesel engines for every 10°F (5.6°C) above 77°F (25°C) ambient temperature. Net power obtained applying intake restrictions and exhaust backpressures as indicated in operation datasheets.

Engine standard configuration

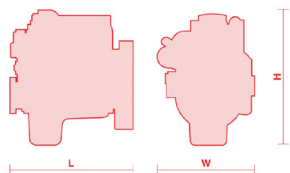
Rigid supports
SAE flywheel housing
SAE flywheel
Fuel filter
Oil filter
Air filter
Twin auxiliary belt
ISO 15540 fuel lines
Exhaust compensator
Hand throttle lever
High coolant temperature and low oil pressure switches
Engine radiator
Blowing fan
Intercooler (for TAA engines)
12V Starter
12V Alternator
ETS fuel solenoid
High or low speed operation (up to max 2940 rpm or max 2200 rpm)

Options

DIN flanged compensator
Exhaust low backpressure muffler
Elastic pads
Coolant temperature, oil pressure and oil temperature analog sensors Veglia/VDO
Engine standard control panel with engine wiring
Magnetic speed pick up
Oil drain pump
Engine coolant heater (39-49 °C or 49-59 °C hysteresis)
Driveshaft with pump hub and guarding
24V electric system (4D24/B8030/N45/N67)
Maintenance kits

Engine weight & dimensions

Brand	Engine model	Dimensions [L x W x H]	Weight [kg]
Raywin	4D2402/A	1020 × 570 × 825	210
Bimotor	B8030i40R	1100 × 610 × 1100	370
Raywin	4D24T04/A	1020 × 570 × 825	370
FPT Industrial	N45MNAF40	1100 × 800 × 1000	430
	N45MNSF40	1100 × 800 × 1000	450
	N45MNTF41	1100 × 800 × 1000	480
	N45MNTF40	1100 × 800 × 1000	480
	N67MNTF42	1500 × 800 × 1250	630
	N67MNTF41	1500 × 800 × 1250	630
	N67MNTF40	1500 × 800 × 1250	630



Engine selection criteria

The engine must be selected by determining the maximum power absorbed by the fire pump at the top of the appropriate impeller curve and add a 10% margin to this power requirement. This value now determines the minimum power requirement for a fire pump duty.

Note: Informations, modifications and details contained in this page may be updated without any notice (BRESPR_HE_BM_RW_FPT--AEN02).

**TORINO (ITALY)**

Via Marie Curie, 22
10073 CIRIÈ
Tel. +39 011 9214015

VENEZIA (ITALY)

Via dell'Azoto, 6/F
30175 MARGHERA
Tel. +39 041 5315541

LYON (FRANCE)

313A, Rue M. Merieux
Parc Avenir 2
69530 BRIGNAIS
Tel. +33 (0) 437 259596-7

VALENCIA (SPAIN)

Calle Juan de la Cierva, 27
Edificio WellIness 2
46980 PATERNA
Tel. +34 960 135 520

MELBOURNE (AUSTRALIA)

6/45 Bunnett Street
SUNSHINE NORTH
VIC 3020C
Tel. +61 (0) 3 9917 7541