

ATTACHMENT 6

Diesel Engine Specifications

Prepared by:
All Purpose Pumps

DOMINATOR

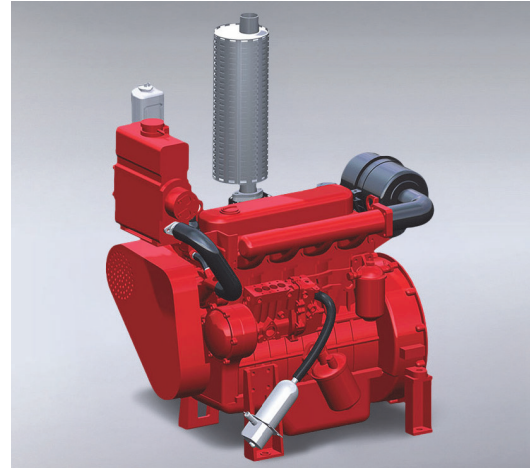
DIESEL FIRE PUMP ENGINE - T.DM.33.4.NA.485

OVERVIEW

Dominator is a premium range of diesel engines built specifically to meet the arduous demands of the fire industry. Precision engineered for reliability and efficiency.

FEATURES

- Air cleaner - weather rated
- Oil pressure sender fitted (10-184ohms)
- Water temperature sender fitted 24W
- Integral Stop solenoid
- Painted R13 signal red, UV stabilised
- Easily adjustable throttle control (on select engines)
- Factory tested to AS2941
- Mounting legs
- Guards fitted to all rotating parts
- Engine speed magnetic pick-up
- Flywheel drive plate
- Control wiring loom
- Exhaust manifold heat shields
- 24 month conditional warranty
- 240Vac Jacket heater

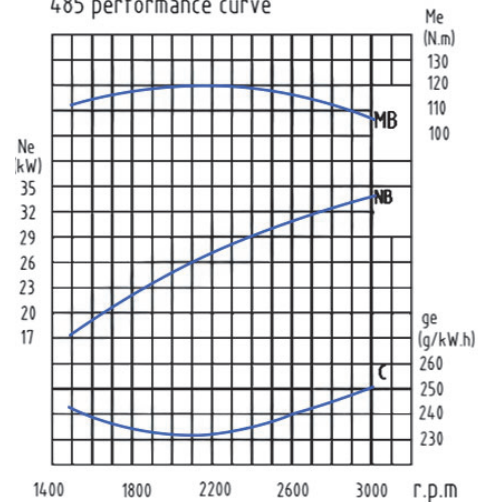


SPECIFICATIONS

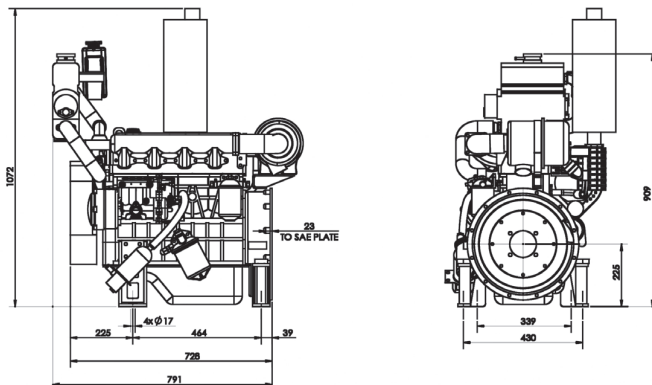
Cooling System	Heat Exchanger
Minimum Cooling Water Flow	0.58L/sec @ 20°
Air System	Naturally Aspirated
Radiated Heat Load	45kW
Air Consumption	2.59 m3/min
Exhaust Gas Flow	44.7 L/sec
Exhaust Outlet Size	2"
Combustion air flow	46 L/sec
Exhaust gas temperature	≤460
Voltage	12
Fuel Usage at full load	≤9.3 L/ph
Rated Power	33kw @3000rpm
Cylinders	4
Max rpm	3000
3m Sound level @ 3000rpm	99dBa
Cold Cranking Amps	152
Drive Plate size	1550
Governing	Mechanical
Net Mass	270kg

PERFORMANCE

485 performance curve



DIMENSIONAL DRAWING



RPM	kW
1500	17.8
1600	19.2
1700	20.7
1800	22.0
1900	23.5
2000	24.7
2100	26.0
2200	27.3
2300	28.0
2400	29.2
2500	30.3
2600	31.0
2700	31.8
2800	32.4
2900	33.0
3000	33.5

