



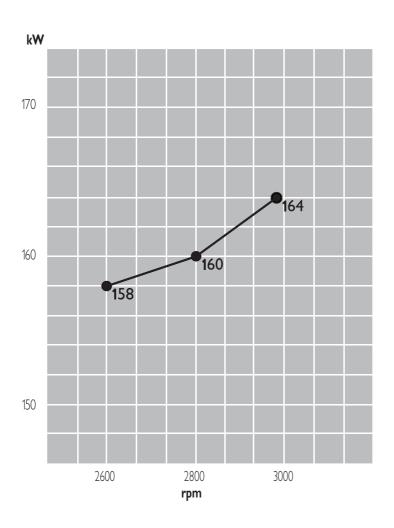
# N45 MNT F40 FOR FIRE FIGHTING PUMPS

mm	TAA 4L
mm	
mm	40.4.1/.420
1	104 X 132
I	4.5
	2
	liquid
	CCW
	17.5 : 1
kgm²	0.19
kgm²	0.69
kPa (har)	3.5 (0.035)
,	6.5 (0.065)
\ /	950 (810)
0 1 /	150 (1.5)
°C	60
	25 (21,500)
kPa (bar)	10 (0.10)
LPa (ban)	5 (0.05)
( )	<u> </u>
	990
kPa (bar)	70 (0.7)
°C	120
n 0/360	20
	20
liters	9.5
liters	8.5
	9.5
	80 (68,800)
	83 ÷ 95
_	103
	30/100 (0.3/1)
,	35 (0.35)
	Rotary pump
\ /	0 (positive head)
°C	30
V	12
-	kgm²  kPa (bar)  kPa (bar)  kg/h (m³/h)  kPa (bar)  °C  kJ/s (kcal/h)  kPa (bar)  °C  kg/h  kPa (bar)  °C  kg/h

# N45 MNT F40 FOR FIRE FIGHTING PUMPS

Engine gross power ratings *	rpm	2600	2800	2940	
	kW	158	160	164	
	HP	215	218	223	
Specific fuel consumption at maximum rating	g/kWh @ rp	om	247 @ 2940		
Oil consumption at max rating	(% of fuel c	onsumption)	0.1		
Minimum starting temperature without auxiliaries	°C		-15		
Dry weight (standard configuration)	kg		390		

<sup>\*</sup> **Gross Power** at flywheel according to ISO POWER 3046. Applicable also to DIN 6271, B.S. 5514 and SAE J 1349. **Test conditions**: ISO 3046/1, 25 °C air temperatur , 100 kPa atmospheric pressure, 30% relative humidity.



### **Dimensions**

L = 807 mm

W = 662 mm

H = 957 mm

#### N45 MNT F40 FOR FIRE FIGHTING PUMPS

### **Engine selection**

In order to select an engine determine the maximum power absorbed by the pump at the top of the appropriate impellor curve and add a 10% margin to this power requirement. This now determines the minimum power requirement for fire pump duty. An appropriate selection should then be made using the engine gross power output after deduction of the fan absorption.

### Standard configuration

Flywheel housing prearranged for pick-up	type	SAE 3
Flywheel size	inch	11'' 1/2
Intake manifold location		left side / front inlet
Exhaust manifold / turbocharger location		right side / upward outlet
Turbocharger		fixed geometry with waste gate
Turbocharger location		right side / high position
Fan transmission ratio		1.12 to 1
Distance between fan - crankshaft centers	mm	296
Fuel filter	n°	1 - left side
Fuel prefilter		_
Fuel pump		included
Oil filter	n°	1 - right side
Oil sump		sheet steel / front sump
Oil vapours blow-by circuit		on timing cover
Oil heat exchanger		included
Oil filler		on timing cover
Exhaust counter flange		included
Starting motor		12 V - 3 kW
Alternator		12 V - 90 A with W contact
Engine stop device		incorporated in the pump
Wiring harness		_
Painting	colour	grey

# Not included in the standard configuration

Battery - minimum capacity recommended	180 Ah (12 V)
Battery - minimum cold cranking capacity recommended	950 A (12 V)

FPT OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE, CONTACT THE FPT SALES NETWORK.

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Publication P2F04N007E - 03.09
Specifications subject to change without notice Illustrations may include optional equipment.

