

# Series D700 for Firepump Applications

## Engine Specification

### D703E0

Engine Model	D703E0	D703TE0
Cylinders	3 Inline	3 Inline
Air System	Naturally Aspirated	Turbo charged
Bore and Stroke	94mm x 100mm	94mm x 100mm
Displacement	2.1L	2.1L
Length	862mm	862mm
Width	587mm	587mm
Height	796mm	796mm
Rated Power	35kW @ 3000RPM	53kW @ 3000RPM

### D754

Engine Model	D754TPE2
Cylinders	4 Inline
Air System	Turbo charged
Bore and Stroke	94mm x 107mm
Displacement	3.0L
Length	985mm
Width	622mm
Height	910mm
Rated Power	73.5KW @ 3000RPM

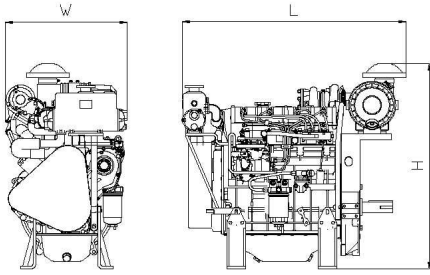
### D756

Engine Model	D756TPE2
Cylinders	6 Inline
Air System	Turbo charged
Bore and Stroke	94mm x 107mm
Displacement	4.5L
Length	1284mm
Width	662mm
Height	974mm
Rated Power	105kW @ 3000RPM

A distributor for:



## DIMENSIONS



	D703E0	D703TE0	D704TPE2	D706TPE2
<b>H (mm)</b>	796	796	910	974
<b>L (mm)</b>	862	862	985	1284
<b>W (mm)</b>	587	587	622	662

## TECHNICAL REQUIREMENTS

	D703E0	D703TE0	D704TPE2	D706TPE2
<b>Fuel System</b>				
Consumption (l/hr)	9.4	14.4	20.0	27.6
Max Inlet Temp. (°C)	60	60	60	60
Max Pump Suction Head (mm)	1000	1000	1000	1000
Recommended Min Line Size Supply (mm)	8	8	8	8
Recommended Min Line Size Return (mm)	6	6	6	6
<b>Air System</b>				
Max Inlet Temp Rise (°C)	7	7	7	7
Max Intake Restriction Clean Air Cleaner (kPa)	1.5	1.5	3	3.5
Max Intake Restriction Dirty Air Cleaner (kPa)	3	3	5.5	6.0
Engine Flow Rated Speed (m <sup>3</sup> /min)	2.4	4.3	6.4	9.9
<b>Exhaust System</b>				
Exhaust Flow Rated Speed (m <sup>3</sup> /min)	7.8	9.9	8.0	12.2
Exhaust Temp Rated Speed (°C)	751	622	650	589
Max Back Pressure (kPa)	25	25	20	20
Recommended Pipe Diameter (up to 10m) (mm)	60	70	80	80
<b>Cooling System</b>				
Engine Radiated Heat Load (kW)	8.78	15.03	10.2	16.8
Minimum Water Flow (l/min) *	30	30		

\* for 25°C Raw Water Temp.

## RATINGS

Max Net Power Output DIN6271 Rating B For 6 Hour Fire Pump Duty (kW)

RPM	1500	1800	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000
<b>D703E0</b>	22	27	30	31	32	33	33	34	34	34	34	35	35
<b>D703TE0</b>	37	44	48	49	50	51	52	52	52	52	53	53	53
<b>D704TPE2</b>	not suitable for					73	73	73	73	74	73	74	74
<b>D706TPE2</b>	continuous duty at these speeds							104	104	106	107	106	105

A distributor for:

