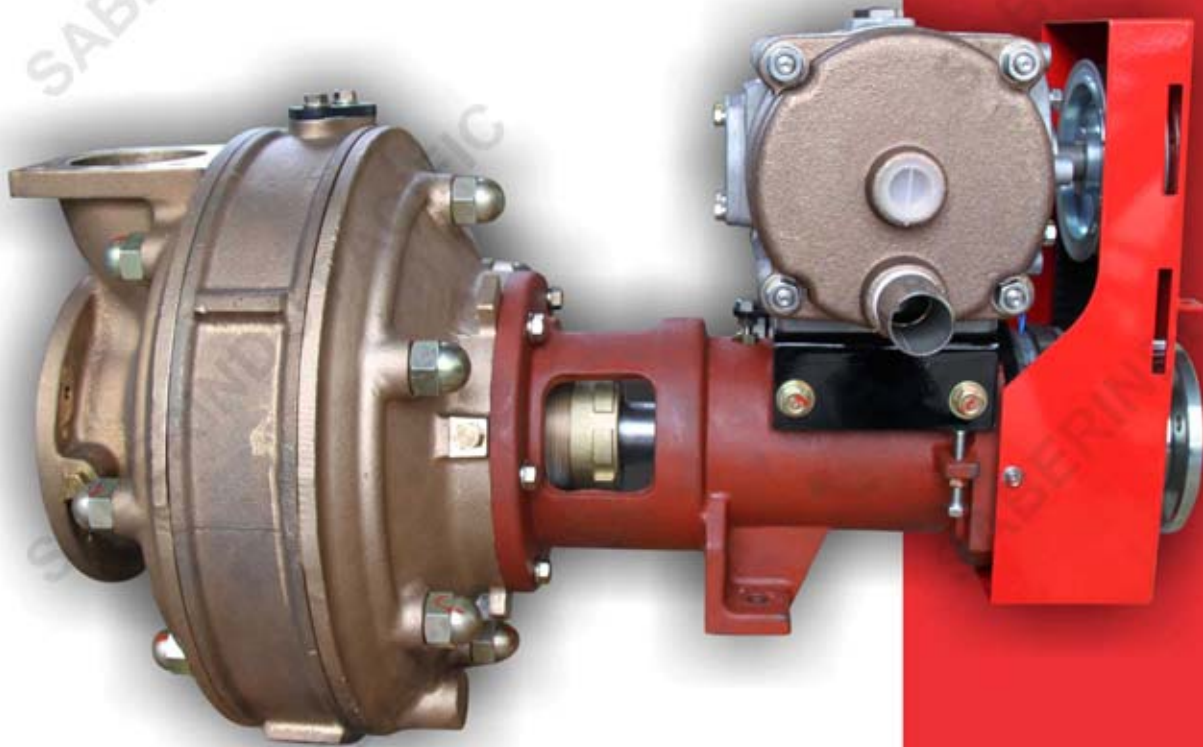




MURITA FIRE FIGHTING PUMP



**Two-stage centrifugal balanced turbine pump
Vehicle engine through Power Take Off of the chassis**



AUTHORIZED DISTRIBUTOR AND SERVICE CENTER :

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MODEL ME-5

1. Overview

Main pump is a two-stage balanced centrifugal turbine pump which is composed of two impellers, guide vane and casing. High speed rotation of two impellers in water pump produces high water pressure which is necessary for fire fighting service.

2. Pump Specification

- Manufacture : Morita Corporation
- Pump Model : ME-5
- Design : Two-stage centrifugal balanced turbine pump
- Required Rotation Speed : 2,550rpm
- Required Torque from PTO : Not less than 84PS
- Performance :
 - Discharge volume: 2850L/min at 10bar
 - Note: Suction head 3m
- Impeller, Vane : 7 pcs
- Guide Vane : 6 pcs
- Materials :
 - Housing and impeller : Bronze or FCD with anti-corrosion treatment
 - Pump shaft : Stainless steel & fitted with gland
 - Volute Casing : Bronze or FCD with anti-corrosion treatment
- Pump Drive : Vehicle engine through Power Take Off of the chassis

PRIMING PUMP
MORITA MPDV-90



3. Priming Pump

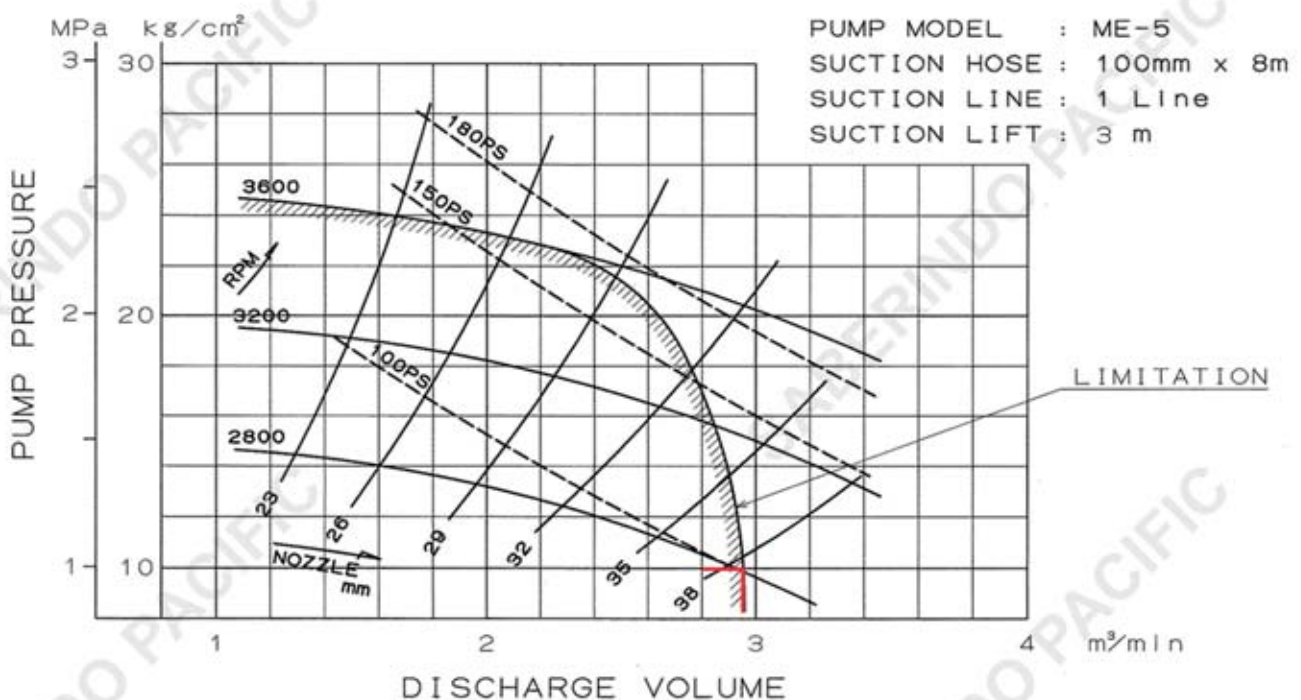
The priming pump fitted to the firewater pump is a robust, maintenance free piston type one with aluminum casting, and is propelled by the pump drive shaft simultaneously and transmitted by an electro-magnetic clutch.

A single button starts the priming system and the integrated safety feature performs the disengagement automatically.

- Model : MORITA MPDV-90
- Type : Piston pump
- Displacement volume : 970cc/revolution
- Rated speed : 1,600rpm
- Priming time : Within 29 Sec.

CURVA ME-5

REFERENCE PERFORMANCE CURVE



MODEL MD260A

1. Overview

Main pump is a two-stage balanced centrifugal turbine pump which is composed of two impellers, guide vane and casing. High speed rotation of two impellers in water pump produces high water pressure which is necessary for fire fighting service.

2. Pump Specification

- Manufacture: Morita Corporation
- Pump Model: MD260A
- Design: Two-stage centrifugal balanced turbine pump
- Required Rotation Speed: 2,800rpm or more
- Required Torque from PTO: Not less than 190PS
- Performance:
 - Discharge volume: 4000L/min at 10 bar
 - Note: Suction head 3m with two lines 4" suction hose and two 4" suction inlets
- Materials:
 - Housing and impeller: Bronze or FCD with anti-corrosion treatment
 - Pump shaft: Bronze or FCD with anti-corrosion treatment
 - Volute Casing: Stainless steel & fitted with gland
- Pump Drive: Vehicle engine through Power Take Off of the chassis

PRIMING PUMP MORITA MPDV-90



3. Priming Pump

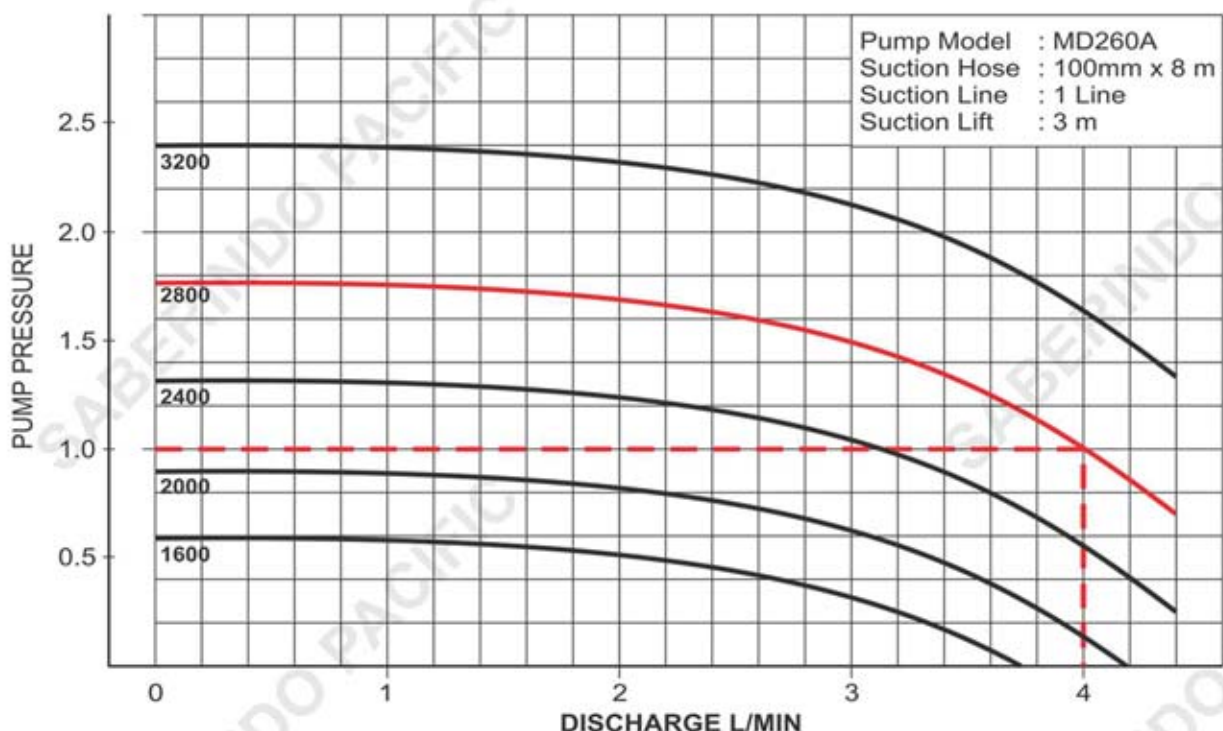
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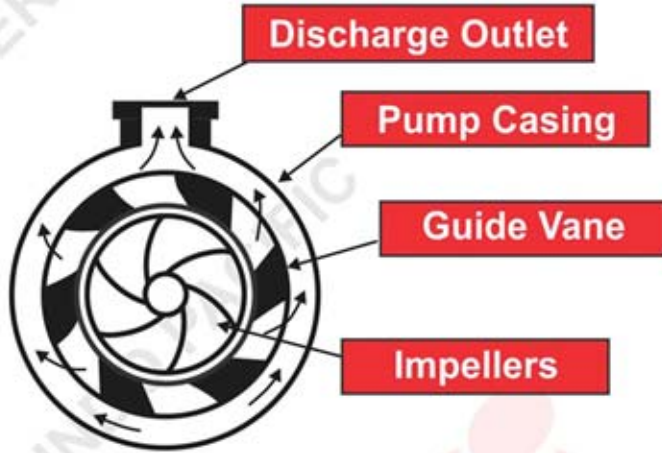
CURVA MD260A

REFERENCE PERFORMANCE CURVE



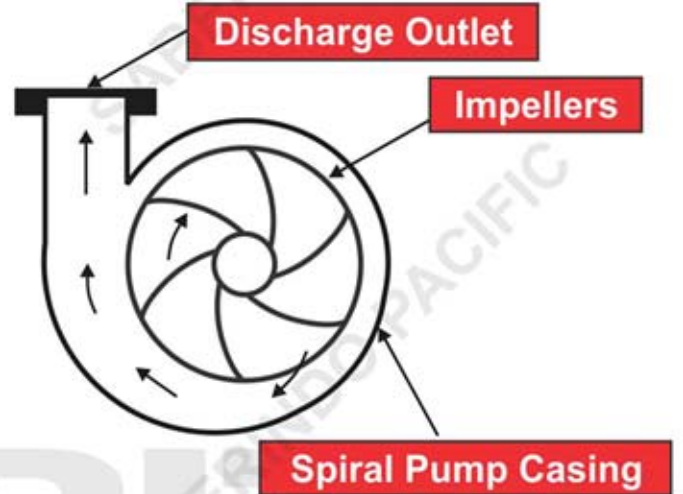
Turbine Pump Vs Volute Pump

Commonly used in Japan



Turbine Pump Type

Commonly used in Europe



Volute Pump Type



MURITA